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STEAM NAVIGATION, COMMERCE, FINANCE, COMMERCE, FINANCE, COMMERCE, COMMERCE,

ENGINEERING, BANKING, MINING, MANUFACTURES.

feet per minute, driving circular saws, etc. ESTABLISHED IN 1831. of a rever perole dent time est bloom

PUBLISHED WEEKLY BY JOHN H. SCHULTZ, AT NO. 9 SPRUCE ST., NEW YORK, AT FIVE DOLLARS PER ANNUM.

SECOND QUARTO SERIES, VOL. XXXIII., No. 31.)

on evolution I AT BAR HERST

SATURDAY, AUGUST 4, 1877.

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PRINCIPAL CONTENTS.

| A Strike at Strikes | 16 |
|--|-----|
| How to Prevent Machine Belts from Slipping & | 96! |
| Rutland Railroad | |
| Repairs and Repewals of Locomotives | |
| Printing National Securities | |
| First & Pryibil's Wood-Working Machinery 9 | |
| Steam on City Railroads | |
| Balancing Emery Wheels | |
| The Improved Niagara Steam Pump. | 969 |
| Railroad Earnings | 971 |
| Railroad Earnings Federal and State Securities | 97 |
| Railroad Bond and Share Lists 973, | 989 |
| Financial and Commercial Affairs | 091 |
| Foreign Anthracite Coal | 001 |
| Mt. Washington Railway | 00 |
| Kings County Central Reilroad | 900 |
| Commerce of the United States | 000 |
| Redemption of Five-Twenty Bonds | 00 |
| Railroad and Canal Dividend Statement | 00 |
| Midwout, Amersfort and Coney Island R. R. | |
| Reilroad Compatition | no. |
| Railroad Competition | 00 |
| | |

American Railroad Journal.

New York, Saturday, August 4, 1877.

A Strike at Strikes.

In no country does the mechanic hold a better position than in this; and, what is more, there is no country which grants him higher or more useful privileges. When we glance at our manufactories we see, for the most part, capital judiciously invested and labor rightfully directed. We see improvement in man's condition as a social being, progress in intelligence, advancement in skill, and a higher cesthetic culture. In a word, industry meets with its just reward, and well directed enterprise with corresponding success. We see the mechanic free to speak, act, invent and construct, to move forward in his industrial career, spurred on by incentives that can only be found in the body of a free people.

The strikes that have recently occurred, we

stigation, and with the connivance, of skillful, intelligent, industrious mechanics, Knowledge is power, ignorance is weakness, and if among the thousands who recently formed unruly mobs and riotous gangs there were intelligent, sober, hard working and faithful mechanics, then those men lowered their dignity and acted contrary to their natural intelligence and reason; they exhibited willful stupidity which the public may well deplore and condemn. The duties of conductors, engineers, firemen. brakemen, bridge-tenders and switchmen, all demand honesty, intelligence, watchfulness, sobriety and faithfulness. Incapable or dissatisfied men have no business to hold any responsible positions. Public safety demands their removal, and to the credit of our railroad companies be it said that incompetency in any department is seldom if ever tolerated when discovered. But strikes have not been confined to railroad employes; masons, painters, carpenters, machinists and other tradesmen have from time to time had their grievances, real or imaginary, and have undertaken, by cessation of work, to compel, if possible, compliance with their demands. The results in nearly all cases prove more or less injurious to the strikers.

That mechanics and workmen of every class have their rights no one will deny; that they are occasionally imposed upon and subjected to the caprice or avarice of unprincipled employers, are facts of which there is too often abundant evidence. But strikes are repulsive, unsettling, demoralizing, disorganizing; they generate bad temper, ill feeling, distrust and revenge; whatever the grievance, attended with or without exhibitions of violence, they are contrary to public sentiment, damaging to the participants, and paralyzing to industrial enterprise. On the other hand we have a word for employers. Let respect for labor be cultiare unwilling to believe originated from the in- meut; and, further, let skill and faithful ser- off the surfaces altogether. There is a certain

vices be recognized and rewarded by just compensation.

taberty Street in this city showed the follow- carvas one-half in ingresult: A five-inch belt-truncing about 1,000 tebate that the fig.

sligning. When more work was got on even the face of the

If the workman, by thought and attention, aims at higher degrees of excellence, the employer certainly has every reason to aid him in his advancement. We consider it as obligatory on the part of employers to compensate and encourage their workmen, as it is for workmen to strive after excellence and to be faithful in the performance of their duty.

How to Prevent Machine Belts from Slip-

Those who have experience with machinery know the inconvenience frequently resulting from belts slipping on their pulleys. In some cases this occurrence causes more damage and trouble than many would suppose. We remember of a case in Boston, Mass., where several expedients were tried to keep the engine driving belt, which was over 12 inches wide, from slipping, and rosin, chalk, and other ingredients were freely used to "make the belt hug the pulley;" every time, however, the belt slipped it caused flaws in the manufactured article. When a belt slips the presumption is, that the belt is either too narrow or too loose; any belt that has more work to do than there is friction between the belt and pulley, must slip; and as that friction is the result of pressure of the belt upon the pulley, to increase the friction the belt is tightened. If the belt still slips, then the belt is overloaded. Visit one of our extensive factories at Cohoes, N. Y., Lowell, or Lawrence, Mass., and note the enormous amount of belting in motion, driving backling, carding, roving and spinning machinery. Should this belting slip by being too loose, it has to be immediately "taken up" and tightened; if all of the belting or any portion of it is over tight, then friction on the bearings is increased, the shafts are unduly and vated, let encouragement be given to all unequally strained and will soon "get out of branches af education, facilities to free institu- line." Again, when there is too much loosetions, and opportunities for mental improve- ness the belts will slip and are liable to run

medium to be attained between tightness and slackness; and those in charge of machinery pulley is pure rubber; but as pure rubber does should be able to distinguish it. The common practice of putting upon a slipping belt sticky substances—as rosin, tar, molesses, etc., often makes the remedy in the end worse than the evil; for this, while it makes the belt hold upon the pulley by the adhesiveness of the material, must result in a loss of just so much power as is required to separate the belt and pulley, which is often as much as is gained by the sticking of the belt.

A test made with a dynamometer by John W. Sutton, an experienced engineer, at 95 Liberty Street in this city showed the following result: A five-inch belt, running about 1,000 feet per minute, driving circular saws, etc., would transmit just 5-horse power without slipping. When more work was put on, even of 1-horse power, the belt would slip, and the dynamometer showed that the belt, while slipping, would transmit only 31-horse power. As soon as enough work was thrown off so that the belt could take again, work could be put on up to 5-horse power without slipping. This was tried over and over again, with the same results each time.



Fig. 1.—Showing the manner of covering a pulley. Patented July 13th, 1877.

Every belt in good order drives, and is driv en, by the friction between the surface of the pulley and itself, and by nothing else. This friction is due, first, to the pressure (tigatness



Fig. 2.

of the belt), and, second, the quality of the surfaces of the belt and pulley. A soft, pliable, elastic surfaced belt will do more work than a bard, dry one; and a soft, elastic sur-

Fig. 3.

one. The best material for the surface of a The track is now laid about seven miles north of not wear well, and has not body enough by itself, canvas is introduced to give it strength to resist the pull of the belt and the wear, and still have the surface elasticity to give the great frictional resistance to slip, that is necessary to do the work. This cover is made with alternate layers of the best clastic rubber and canvas—four layers of rubber and three of canvas. The canvas is cut straight, so as to give it the greatest strength with the least material. The cover is made from two to six inches wide; on one edge is a lip of one ply of canvas one-half inch wide; and on the other s rebate that the lip will fill when the cover is wound spirally around the pulley. This lip and rebate is to join the cover together across the face of the pulley by cementing and driving small copper nails through them both, that clinch when the points touch the face of the pulley, so that the cover is as a whole one. One end of the cover is riveted to the pulley, and wound spirally on until the whole face is covered, and the other end is riveted as can be seen in the cut Fig. 1.

The cover is not like rubber belting, as that is made as firm as possible, without any elasticity, while this is made with as much surface elasticity as possible.

This cover is warranted to transmit one hundred per cent more power than a plain pulley; that is, it will do twice as much work before the belt will slip.

One pound will cover 6×12 inches of surface, equal to 72 square inches.

We saw a test made to show the difference in the amount of friction with a covered and uncovered pulley. A six inch diameter pulley with a one inch leather belt, one end of which was fastened to the floor and the other end with a four lb. weight attached, was hung over the pulley. The belt between the floor and the pulley had a spring balance attached to show the exact amount of pull on the belt. The pulley was revolved so that the belt slipped and the pull on the belt, as shown by the spring balance, was six lbs. The belt was then put on a covered pulley of the same size and revolved, and the spring balance showed 24 lbs. as the friction, fully four times what was shown by the uncovered pulley. So the claim that a pulley covered with this cover will do 100 per cent more work is no idle boast, but an actual fact.

Further information may be had from Mr. Sutton whose address is given above.

The contract has been let to build the south ern end of the Hamilton and Northwestern (Ca.) Railway to Port Dover, on Lake Erie, a distance of eight miles, to be completed during the present year. The contract to build the northern portion of the branch line from Clarksville to Glencairn has been completed, and the grading has to be finished, a distance of twenty miles befaced pulley will do more work than a hard tween those points, by the fifteenth of October.

The strikes that have recently beautred, we tions, and opportunities for mental improved does the belts will slip and are liable to run are unwilling to believe originated from the in- most, and, further, let skull and furthful ser- off the surface alsogether. There is a certain t

Georgetown, and the contractors expect to have the line completed to Barrie by the first of Octo-

Rutland Railroad.

At the annual meeting of the stockholders of the Rutland Railroad Company, held at Rutland, Vt., on the 26th ult., Hon. John B. Page read the annual report of the financial condition of the corporation as follows:

BALANCE SHEET, July 1, 1877.

| Capital stock \$2,480,600 | 00 |
|--|----|
| Preferred capital stock 4,148,500 | 00 |
| Bonds, mortgage, equipment 1,000,000 | 00 |
| Dividend scrip outstanding 248,131 | 68 |
| Coupons unpaid 3,647 | 00 |
| Rents 24,000 | 00 |
| Bills payable, bills receivable and cash 250,768 | |
| Bonds, first mortgage 1,500,000 | 00 |
| \$9,650,646 | 74 |
| Construction account | 87 |
| Real estate 115,925 | 87 |
| Addison Railroad stock 218,100 | 00 |
| Mortgage bonds on hand 232,000 | 00 |
| Rent due and unpaid 11,500 | 00 |
| PERMITTER DESCRIPTION OF THE PROPERTY OF THE P | _ |

\$9,650,646 74

The rent for the Rutland and leased roads for the year has been paid, except the rent of the Vermont Valley road, which rent was paid up to October, 1876, when by the decree of the United States Court we were no longer entitled to receive the same. The receipts for the year ending July,

| For | rent of the road | 1,894 12,586 | 00 |
|-----|------------------------------|---------------------|----|
| T | Total he disbursements were: | \$844,480 | |

| 1 | For coupons paid | \$75,000 | 00 |
|---|--|----------|----|
| | For coupons paid on mortgage bonds | 101,840 | 00 |
| | For interest account | 25,335 | 81 |
| | ton first mortgage | 3,100 | 60 |
| | For repts paid on leased roads | 77,500 | 00 |
| | For legal services paid during the year | 3,489 | |
| | For salaries of President, Treasurer and clerks | 9,600 | 00 |
| | telegraphing and official expenses | 738 | 86 |
| | For floating debt, paid | 45,000 | 00 |
| | Balance cash on hand | | |
| | | | |

Total..... \$844,480 78 The auditing committee appointed for that purose have examined the treasurer's books and vouchers, and their certificate is appended.

Respectfully submitted by order of the direct-JOHN B. PAGE, President.

July 25, 1877.

The auditors, Messrs. J. H. Williams and N. Kellogg, certified to this examination of the vouchers and the correctness of the statement,

The above report having been submitted to the directors at a meeting held in the morning, was presented with their concurrence and by their or-

On motion of Mr. George W. Gill of Worcester, the report was accepted and ordered on file. President announced as the next business the election of directors for the ensuing year and ap-pointed as tellers J. Mason Everett of Boston, J. M. Hoven of Rutland and J. A. Goodwin of

Pending the vote a stockholder inquired as to the number of shares of stock held by the direc-tors. The President replied that they held in all 17,148 shares, each holding from 1000 to 1700,

one owning over 9000.

While the count was being made the President.

Companies for the lease of the latter road to the Rutland Railroad Company, the modification be-ing a reduction of the rent for the Addison road from 7 per cent, upon its capital stock to 3 per

cent per annum.

Gen, J. S. Whitney explained to the stockholders the effect of the reduction of rent from \$35,000 to \$15,000 per year, saying that the President was altogether too modest in the matter, and that the stockholders should understand that they owe the pegotiation and the benefit of this new contract to him, Mr. Hickok and one other director. He stated that the arrangement was forced upon them by the refusal of the Courts of the State to do them justice and compel the lessees either to pay the

rent promised or surrender the road.
On the motion of Mr. Gill, the action of the Board in the matter of the Addison lease was rat

ified and confirmed.

The President further explained the details of the transaction, showing that the claim of \$102,-000 received from the Central Vermont in the settlement of a year ago was virtually a cash benefit

to that amount.

J. Mason Everett, for the tellers, reported the whole number of votes as 25,042. Jacob Edwards of Boston had 25,042, Peter Butler of Boston 24,-458, Edward A. Birchard of Boston 25,032, James H. Williams of Bellows Falls 25,042, William Sob. of Boston 24,366, John B. Page of Rutland 24,990, James W. Hicock of Burlington 25,042, James S. Whitney of Boston 24,366, John Prout of Rutland 25,042, and they were declared elect-

The President explained to the stockholders the suit now pending at St. Albans, stating that the interests of this company were being probated there, and in case the sale desired by the Central Vermont managers should be made, it could in no case injure this company or their future prospects. No further business coming before the meeting it

was duly adjourned sine die. At a meeting of the directors held upon the adjournment of the stockholders' meeting, the Board organized by the election of Hon, John B. Page President, the other officers holding over. The directors elected as a finance committee Messrs. John B. Page, J. Edwards and C. W. Hickok.

Repairs and Renewals of Locomotives.

At the sixth ordinary meeting of the session 1876-77 of the Institution of Civil Engineers, Mr. George Robert Stephenson, the President, in the chair, a paper was read on "The Repairs and Renewals of Locomotives," by Mr. A. McDonnell, M. Inst. C. E. It was stated that the cost of the repairs and renewals of locomotives, when kept in efficient order, depended chiefly on the age of the engines. The average cost on six of the principal saliways, from 1868 to the end of 1875, was nearly 8,16d, per train mile, of which about 1,56d, was for wages, and about 1,60d, for materials. A minute analysis of the cost on the Great Southern and Western Railway of Ireland was given for the ten years ending December, 1875. The word re pairs was applied to all existing engines, and re newals to engines rebuilt to replace old ones. Three types of engines had been designed :—Class 1, for express trains; Class 2, a light passenger engine; and Class 3, a coupled goods engine. The leading dimensions of these engines were shown in the annexed table :

Class 3 Class 2. Class, 1 Diameter of cyl-20 " 5ft. 8in. Diameter of wheel 6ft, 6in. lin. 5ft. Number of tubes. 185 170 170 1855 sq. ft. 774 sq. ft. 855 sq. ft. 774 sq. ft. 855 sq. ft. Fire hox surface. 86 " 884 " 1011" 174 4

presented and read the modification of the con-from 30 to 38 miles an hour, with a consumption 1874, followed by a series of ten tables especially trant between the Rutland and Addison Railroad of 25,64 bs. of coal per engine mile. The net coal Companies for the lease of the latter road to the of repairs (shop expenses included) was 986d. Railway of Ireland, with which the author has per mile, from the time the engine commenced running, and the engines had run an average dis-tance of 48,748 miles in the intervals between general repairs. Class 2 took an average load of bent 7 carriages and a maximum load of 25 carriages at speeds varying from 26 to 32 miles an hour, with a consumption of 23.36lbs. of coal per engine mile. The net cost of repairs had been .809d, per mile, and the average mileage had been 54 635 in the intervals between general repairs. Class 3 took an average load of about thirty wagons, and a maximum load of fifty-four wagons eighteen miles an hour, with a consumption of 37. 611bs, of coal, The net cost for repairs had been 900d, per mile, and an average distance of 44,232 miles per engine had been run in the intervals between general repairs.

> The net cost of building one of each of these engines was given in detail, with the weight and cost per ton of the chief materials used. total cost of each had been-Class 1, £1,870 18s. 6d.; Class 2, £1,668.; 1s. 3d.; and Class 3, £1,-943 0s. 6d.. The weights in materials used respectively in one of each class were 727 cwt. 1 qr. 61 lbs., 618 cwt. 3qrs. 20lbs., and 694 cwt. 2 qrs. 61lbs.

> Of the materials employed in the repairs, without including the renewals, the most costly had been springs and fire bars, particularly on the engines which had run at the highest speeds. repairs proper for the ten years amounted to 1. 588d. per train mile, the renewals to 1.260d., and the shop expenses and repairs of machinery to .639d., making a total of 3.487d. per train mile. The number of engines renewed was 6.4 per cent. per annum of the engines forming the rolling stock at the commencement of the period of ten Details were given of the cost per train mile of the chief materials used both for repairs

> and for renewals.
>
> The tables showed that the most costly materials for renewals had been boiler plate, tubes, copper plate, wheels, axles and tires; and those which had cost most for repairs were tires, springs, fire-

bars, axle boxes, and brasses,

The tires had been the most expensive materials, the cost for engine tires having amounted to .163d. per train mile. During the five years ending 1864, the price paid for iron engine tires had been 38s. 4d. per cwt., and for iron tender ties 38s. 3d. per cwt. The cost for engine and tender tires 3d, per cwt. The cost for engine and tender tires had been 327d, per train mile. During the five years ending 1874, the price paid for cast steel engine tires had been 37s, 11d, per cwt., and for cast steel tender ties 38s, 7d, per cwt. The cost for engine and tender ties was .226d. per train mile showing a reduction, by the use of steel, of .061d. per train per mile, although no engines had been renewed during the first period.

The mileage run by cast steel crank axles show-

ed that it was a most reliable material, and that a life of at least 200,000 miles might be expected from a cast steel crank axle with inside bearings, carrying a weight of from 10 to 11 tons. semer steel, when made with sufficient care, could be manufactured of the quality suitable for crank axles, but many axles of Bessemer steel had given

bad results.

The cost of brass tubes had been, on an average, 9.6d, per lb., and old brass was sold on an average at 6d, per lb. The weight of the old tubes was nearly one-half the weight of the new ones. The value of the wear of a brass tube was about 13s. 6d. The average cost of an iron tube was 3s. 91d.

The communication was accompanied by five appendices, giving the cost per train mile of wages and materials for the repairs and renewals of the locomotives on nine English railways, from 1868, to 1876; similar particulars for ten years as to the Philadelphia and Reading Railroad (U. S. The general results of the working of each class of engine was given for the year 1875. Class 1 took an average load of about 8.5 carriages, and maximum load of 21 carriages, at a speed of way of France; also of Prussian railways for introduction of numberless machines well de-

been connected for some time .- Herapath,

Printing National Securities.

The commission of experts recently appointed by the Secretary of the Treasury to examine the operations of the Bureau of Printing and Engraving, recommended that the entire business of printing the public securities, etc., be relegated to private enterprise, and that the functions of the Bureau be confined in the future to sealing the issues and authenticating their genuineness, A thorough and exhaustive investigation of the history and workings of the Bureau preceded the report, from which it appears that the printing and engraving done by private companies was invariably cheaper, better, and attended with greater safeguards than that done by the Government, In some classes of work the Bureau prices were fifty per cent. greater than those charged by private companies. The commission does not recommend the discontinuance of the Bureau, which they think may be maintained for the accounting of the Governmental issues when once brought down to an economical basis.

The first rail on the Colorado Central Railroad extension was laid at Cheyenne on the 21st ult. This road will be completed in October, and will connect the Colorado Central Railroad at Longmont, Colorado, with the Union Pacific Rail. road at Chevenne.

The engineers are surveying on the route and securing the right of way for the Miami Valley Narrow Gauge railway. They have reached Midway, going west. For the first eight miles west of Mt. Sterling, the right of way has been secured free of charge.

Work on the Columbus and Gallipolis (Ohio) Railroad by way of McArthur, is about to be commenced with vigor. Vice President Kilvert recently went over the route and superintened, in connection with General Manager White, the letting of contracts.

First and Pryibil's Wood-Working Ma-

At the recent Centennial Exhibition in Philadelphia, no machinery received more attention and admiration than that class known as woodworking machinery, and perhaps next to the exhibit of hardware, there was no department of mechanical art where so much design and ingenuity of American origin were displayed. The demand for different kinds of wood in the industrial arts is enormous. Throughout this country, from the log cabin to the palatial residence, from railroad ties to magnificent bridges, in all building and engineering enterprises, this material is cut and sawed, split and planed, turned and carved for innumerable purposes. Hence it is scarcely surprising that mechanics and inventors have devoted so much attention to working it quickly and well and dispensing with as much manual labor as possible. The machinery in our planing mills, carpenters' shops, furniture and car-building establishments, ship-building yards

AMERICAN RAILROAD JOURNALS months has been and and

signed and admirably adapted for special pur-

Among the most extensive establishments in this city for the construction of wood-working ma-

turers are both practically educated engineers and machinists, who have made the designing and construction of wood-working machinery their specialty. Their designs are original; the entire chinery, is, without doubt, the one at the corner of supervision of the construction is done by them-40th street and 10th avenue; of which Messrs, selves; every care and attention are given to the First & Pryibil are proprietors. These manufact most suitable materials; energy and promptness

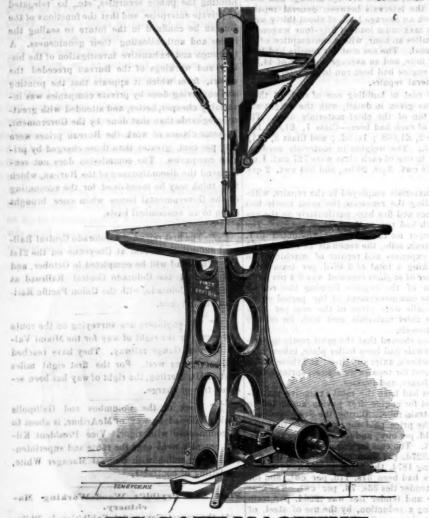
vent collisions, loss of life or frightening of horses. Accidents there undoubtedly have been, and one accident resulting in the loss of life is one too many. But these heavy freight cars are suffered to pass and repass through the very centre of some of our large cities, some drawn by dummies, and others by four horses at a speed which however slow could not (on account of the great momentum) be instantaneously checked, and yet there is no hue and cry like that raised when steam for passenger cars is advocated.

We hear only occasionally of city steam passenger cars being used. We believe Philadelphia is in advance in this matter, and to-day has steam on one or more of her city railroads. In some parts of Europe the same thing has been done. and meets with general approbation. But it is high time for New York, Brooklyn, Boston, and other cities, to dispense with half their car horses and to prove that to some extent quick transit can be accomplished in this manner. We expect ere long to witness the experiment in this city; and there is no reason why it should not be successful. One thing, we advocate strongly, is the fencing in of tracks on which steam is used, for several reasons, among which are the following: it will prevent accidents to conveyances and pedestrians; it will prevent children from playing or placing obstructions on the track; it will allow the cars to be run at a quick speed; and it will also allow the track to be maintained in good condition.

To employ steam on city railroads without this precantion will only tend to render the enterprise unpopular, and annoying to all concerned. The Long Island Railroad within the city limits is to have such a fence commencing from their depot on Atlantic avenue, Brooklyn.

Relative to this subject we may mention some improvements introduced by Gen. J. D. Imboden, who has invented a system of steam for street cars that promises to influence, in a large degree, the railroad companies and the public in their decision as to whether steam or horse power shall be generally used for the locomotion of these conveyances. The engine is an independent submotor-a complete machine of itself-and can be attached to any of the present horse cars. It is simple, easily handled and cheap; and causes no discomfort to passengers-it being out of their sight, smell and hearing. It has its own framework, wheels and springs, carries its coal, water and engineer, and sustains half the weight of the car and passengers, the other half being carried by a single pair of car wheels placed in front of the rear platform. The car body is pivoted at its front end, on the engine, resting on a bed plate and springs, over the boiler. The engine has four driving wheels, with a wheel base of only four feet; and, cwing to the simple, pivoted connection with the car body, is capable of curving freely. The boiler is horizontal, with simply a vertical furnace and steam dome under the driver's seat, which is outside the front of the car.

This car has been made of the same size as that of an ordinary horse car, so as to demonstrate thoroughly that in order to convert the latter into a locomotive nothing is necessary but to take off its front wheels, put the engine in their place, and train. No fences have been erected at the sides close the front door. The interior and the rest of



alid of solidity JTG SAVV MACHINE AS CONSTRUCTED BY FIRST & PRYIBLE, NEW YORK.

and enterprise are their characteristics. A visit to their works, and an examination of their ma chinery in use throughout all parts of the country, or of that constantly on exhibit at industrial 850 to 1,000 revolutions. expositions, will furnish ample proof of our statements.

The annexed engraving represents one of the many and most useful machines constructed by this firm. It is one known as a Jig Saw, without one or more of which, no wood working shop is The design of this machine even to the eye of an inexpert will appear unique and symmetrical. The parts are in admirable proportion, wish a display of good taste without lavish ornament. It is simple, and designed to be a highly useful and durable machine. It is suitable for any kind of in and outside sawing. Short and long saws can be used and easily adjusted. It is constructed entirely of iron, with the exception of connecting rod, springs and upper post; and vibrates very slightly, on account of baving no slide underneath.

The saw is started and stopped instantaneous ly. It is furnished with a belt-shifter and brake: the pulleys are 7×21/2 inches and the speed is

Steam on City Railroads.

There has been, of late years, so much discus sion respecting the introduction of steam dummies and locomotives on city railroads, that the subject has become one of great general interest. It is, however, surprising that after the practicability of substituting steam for horse power has been so clearly demonstrated there should be such dedelay in adopting the change. To engineers there never has been any difficulty in the matter. The old fashioned "dummies" have for years been employed to draw freight cars through thickly settled districts and business localities, no greater precautions being used than slow speed and the sounding of a loud toned bell on the approaching of the track, no extraordinary means used to pre- the car can be left intact. The new car occupies mies now in use on Market street, Philadelphia, and ten feet less than a borse car, the horses being dispensed with.

on norms are and to stop as soon as 1

Balancing Emery Wheels.

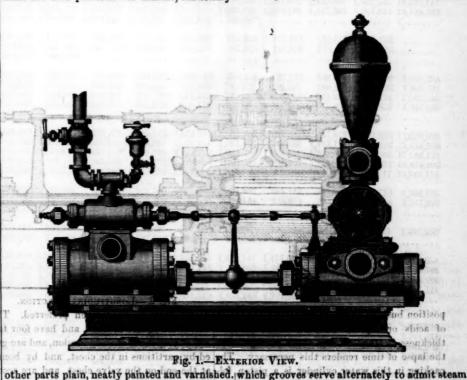
The proper balancing of emery wheels is of great importance, because the great speed at which they revolve causes the least defect in the balanc-ing to vibrate the wheel when in motion. This vibration causes undue wear to the wheel as well as tending to throw the wheel out of true. Of late cast iron spindles are being introduced for emery wheels above ten inches in diameter, and they require very careful manufacture to properly balance them. In the first place the existence of air holes is a great disturbing element, and in the next place the position in the mould, in which the iron is cast, is found to be of practical importance, because the iron at the bottom is found to be more dense and heavier than that at the top. To remedy these defects, the castings were given very large gates or runners, the cope of the mould being made extra deep for that purpose. This, however, proved successful for the prevention of air holes, but not altogether so for equalizing the density, the difference between the top and bottom of the metal being very plainly perceptible. This led to the adoption of the plan of casting vertically as well as casting them in longer pieces, using only the lower end for the spindle. The result is, not only is the formation of air holes prevented, but the metal is at any part of its length of practically equal density diametrically. This, however, is of minor importance. The next consideration is to center the spindle to run as true as possible in the lathe, for the metal is always more dense at and towards the outside of the casting; and if more is turned off one side than the other the balance will be, to a like de-gree, affected. After the spindle is turned, its balance should be tested by placing it upon two knife-edged parallel pieces set horizontally true, and setting it in motion. Note the side that is downwards when the spindle comes to rest. If upon turning it upside down and end for end, and making several tests, the same side is always at the bottom when the spindle comes to rest, that side is the heaviest, and should be adjusted by boring a small hole, either in the end or upon the circumference.

The part of the spindle upon which the driving pulley fits should be made a neat driving fit to the pulley, so as to avoid the use of a key, which would destroy the balance. The centers of the spindle should be center drilled and countersunk o that the spindle may keep true during the whole turning operation, the end faces being care fully turned true for the same purpose. The pulley should be cast with its diameter standing vertical the hole should be bored out true and smooth, the wheel should be turned down to very nearly the fluished size upon a temporary mandrel, and then placed in position upon the spindle and finished in the lathe while upon the spindle. Then the wheel and spindle together should be tied upon the knife-edged parallel strips in the same man-ner as the spindle was tested.

The washer should be cast flat and carefully turned true, the inside face being recessed to with-in about one quarter of inch of the circum erence which is done to ensure that it shall grip the wheel at and near its edge, thus holding it true as well supporting it as far out from the center as possible. The nut should be made very true, the thickness from the bore to each flat side being quite equal. The best form of put is a cylindrical one with two flat sides, which is the easiest form to make and ensure truth. The easiest form to make and ensure truth. The washer and nut should be placed upon the spin-dle, and the balancing of the whole again tested upon the parallel strips. The emery wheel may then be fastened upon the spindle, the bore being made a neat sliding fit, and then the strips should again be brought into requisition to test the balance while the whole are together. The wheel is very liable to require helmoning because it is very very liable to require balancing, because it is very grooves around its cylindrical middle part, gated little piston, causes this to move, and in

The Improved Niagara Steam Pump.

difficult to make a wheel of equal density throughout. If the wheel is out of balance it must be corrected in the wheel itself, and not by drilling holes in the spindle or pulley, because in that case the wheel, though balanced when new, will case the wheel, though balanced when new, will in 1875 were awarded a medal by the Americas its balance as it were smaller. It is necessary, therefore, to provide a center piece and to throw the wheel ont of true in the lathe, taking care that the densest side is the prominent one; then by taking a cut down the radical face of the wheel, leaving it just true, the balance may be corrected. The center, however, should be thrown out but very little, and the balance tested. The process should be repeated till an exact adjustment is attained. By adjusting the balance in this manner, the spindle will when once made general design can be seen: Fig. 2 shows the four feet less street space than one of the dum- difficult to make a wheel of equal density through- and marine engines and steam pumps for every this manner, the spindle will, when once made, general design can be seen; Fig. 2 shows the never require altering; and all that is necessary is never require altering; and all to at is necessary is to balance, in the manner described, each new interior parts and the arrangement of the opwheel when it is put on, and the result will be erating mechanism. It will be observed that sufficiently perfect for all practical use.—Scientific the general design and proportions are in good taste. The steam and pump cylinders have The Steam Engine and Machine Works at double flanges, that is, flanges cast on both 97 Pearl Street, Brooklyn, of which Mr. Nor. sides of the cylinder; these are planed and man Hubbard is proprietor, are among the fitted to the top of a planed bed, to which most extensive iron works in that city. It is they are securely bolted. The parts admit of at these works that the powerful steam pumps fine finish if so desired, but as a general thing were made for the Brooklyn Water Works, and many steamboat engines and pumps have been constructed in a manner that has given sists in having smooth castings, the working the works an enviable reputation for good, parts and operating mechanism of the best mastrong and durable work. At this establish-terials, fitted and finished in as perfect a manment are also patterns for marine, stationary ner as possible, and the exterior surfaces of



In many cases pumps are placed where there to the main cylinder or as exhaust. The mois so much wet and dampness and changes in tion of this valve-piston is caused by the steam temperature that highly finished machinery is pressure, which is alternately admitted at each not desirable. We refer the reader to the end, while it is cushioned by steel springs. longitudinal section, Fig. 2, by which the fea- The steam effecting this motion is admitted by tures of this pump can be the better under a rod passing through the center of the circustood. One of the best improvements claimed ar steam chest, and serving the purpose of a consists in the sliding-valve, which moves in sliding-valve. Slots, which by the to-and ro the cylindrical steam-chest, and is in fact a very motion of this rod-shaped sliding-valve, admit elongated little piston, with two circular the steam alternately at each end of the elon-

fact this piston is itself the main sliding-valve. Ition of an inch to admit the steam alternately steam pumps are apt to stop as soon as the pissliding-valve, not by an eccentric or its equivalent, but by the steam itself-a problem which the cylindrical form adapted for the valves in this pump makes easy of solution.

The movement required to place the central rod referred to alternately in such a position as to admit steam alternately on the heads of the sliding-valve, is very slight indeed, and is accomplished by a tappet arm attached to the piston-rod between the steam and pump cylinder, as seen in our figure, and which at the end of each stroke touches one of the two tappets placed on the notched rod, which passes through the axes of cylindrical sliding valves, and which only requires the motion of a frac-perts know that in the latter case ordinary water cylinder is lined with a good solid com-

We here see the problem solved to move the in one end of the cylindrical steam-chest, and ton has commenced to reverse the position of throw the valve over, while the other end of the valve; but in this pump such an accident the steam chest is connected with the exhaust. is impossible, as the steam pressure every time It is clear that in this way the sliding valve is throws the valve entirely over before the pists other side through the steam chest.

> bring the passageway in the little piston rod bound to move to one end of the steam chest, mentioned in conjunction with the steamlif it does not happen to be there already, and amount of steam required to throw the sliding cylinder and exhausted on the other. valve over is very small, and thus is of special Having explained the operation of the engine

> every time thrown over to its whole extent, ton rod has brought it over one-third part of giving full admission of steam on one end of the its path. It is also evident that such a pump main cylinder and a full exhaust of steam from cannot possibly have any dead center, whatever may be the position of any part of it; when It is evident that the movement required to the steam is turned on, the sliding valve is chests, needs only to be very slight, as the the steam is admitted on one side of the main

> advantage if the pump is to work slowly. Ex-portion, we now pass to the pump end. The

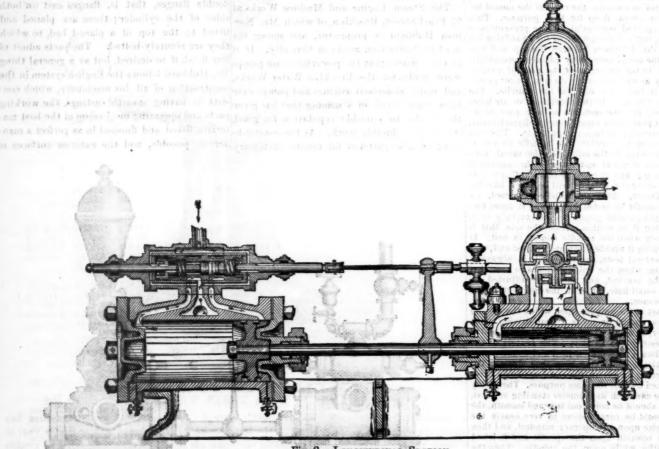


Fig. 2.-LONGITUDINAL SECTION.

position bush or lining, to withstand the action valves may be used when preferred. These accident or freezing, having only to replace the ing hot or cold liquids; the water ports in the piece has, like the suction in the cylinder, two -that is, at a minimum. cylinder are directly in communication with openings, either or both of which may be used the suction ports in the valve chest, whereby as required. The air chamber is also separate. fruit and wines becomes no mystery when it is the greatest economy in duty is attained. The It will here be noticed that while the utmost known that the State has 3,800,000 fruit trees and two discharge valves are seen immediately over simplicity characterizes all the various parts, 35,000,000 grape vines, and harvests from 300,000,the suction valves; the valve seats are of good so that an expert is not required to take them 000 to 500,000,000 pounds of fruit yearly. She composition metal, as are also the valves ordi- apart or put them together, yet there is great produces a large surplus, and foreign trade fol-

thickness to stand two or three borings when which may be used in succession, and are guid-intact and as useful as ever. marily. Any other metal, rubber, or wood eventual economy to the purchaser in case of lows as a matter of course. middle part, sated little picton, causes this to move, and fit

of acids or liquor. This bush is of sufficient valves are square in form, and have four faces, portion affected, as the other portions remain

the lapse of time renders this necessary. The ed by partitions in the chest, and by bonnets The manufacturer claims that one of the packing in this water cylinder is a piston, fol- at the end on the valve chest, and are accessi-greatest merits of this pump is its simplicity, lower, and rings, ordinarily of composition ble by the simple removal of one nut, shown in as there are few parts, while the resistance to metal, by which it is equally adapted for pump- the external view of the pump. The discharge wear and tear is in proportion to its simplicity

| of the land to the second to t | R | AILR | OAD | EAR | NING | s-MC | NTH | LY. | | - 8 | Y. | enterpette e | |
|--|------------------------|--------------------------|------------------------|---------------------|------------------------|--------------------|----------------------------|------------------------|-----------------------|------------------------|--------------------|--------------------------|-------|
| 875 68,659 | February. 78,410 | March. 104,051 | April. 112,474 | May. 107,644 | June. 104,437 | July. 113,450 | 152,215 | 147,552 | October. N 199,926 | 178,953 | 152,584 | 1,520,359 | |
| 876117,417 877134,664 | 144,132 136,350 | 180,246 189,130 | 197,996 200,681 | 219,370 189,915 | 186,641 177,500 | 198,851 | 248,138 | 265,593 | 285,000 | 225,793 | | 2,486,583 | |
| tral Pacific: | 694,015 | 939,778 | 1,129,469 | 1,373,675 | 1,301,202 | 1,214,551 | 1.251.622 | 1,392,125 | 1,375,470 | 1.228.751 | | 13,919,394 | IF 50 |
| 374848,558 | 804,044 | 882,423 | 1,110,623 | 1,311,699 | 1,366,615 | 1,286,940 | 1,322,557 | 1,371,739 | 1,465,515 | 1,381,765 | 1,370,334 | 14,522,814 | 1851 |
| 963,939 976994,339 | 906,159 1,017,203 | 1,136,263 1 1,184,682 | 1,366,984 1,427,034 | | 1,738,370 1,646,269 | 1,536,225 | 1,553,014 1,689,000 | | 1,615,974 | 1,673,000 | | | |
| 771,125,000 | 951,000 | 1,242,000 | 1,416,000 | | 1,391,000 | | X | | | | ******* | ****** | |
| ada Southern: | 41,501 | 82,255 | 106,755 | 102,546 | 96,599 | 104,897 | 104,038 | 117,109 | 149,552 | 131,376 | 126,552 | 1,254,386 | |
| 875 | 141,161 | 165,431 | 168,452 | 123,088 | 111,008 | 108,787 | 148,968 | 158,618 | 156,986 | 124,838 | 109,567 | 1,681,348 | 23 |
| 277 | 133,365 | 153,682 | 172,973 | 149,312 | 150,236 | | | | ****** | ****** | 2-61 | Secondary. | 1.5 |
| 373347,372 | 396,307 | 420,893 | 409,472 | 430,184 | 475,819 | 540,342 | 596,708 | 560,858 | 564,633 | 410,907 | 344,046 | 5,497,541 | |
| 874344,420 875319,928 | 339,876 328,219 | 362,342 363,627 | 384,335 367,956 | 397,683 351,004 | 496,815 382,233 | 464,439 387,445 | 480,056 411,960 | 524,042 490,283 | 550,950 489,019 | 416,544 395,779 | 364,725 369,311 | 5,126,228 4,656,764 | |
| 376305.597 | 346,850 | 355,527 | 364,000 | 423,645 | 451,083 | 403,671 | 510,795 | 524,244 | 532,868 | 367,898 | 374,351 | 4,960,529 | |
| 338,807 | 333,459 | 346,308 | 338,095 | 321,256 | _362,522 | | | | ***** | ****** | ****** | 4.5 | |
| eago and Northwestern: | 765,249 | 967,258 | 1,034,023 | 1,256,072 | 1,309,579 | 1,249,445 | 1,316,327 | 1,520,638 | 1,516,583 | 1,075,908 | 1,052,915 | 13,816,465 | |
| 8741.014.514 | 900,765 | 1,024,061 | | 1,290,596 | 1,163,522 | 1.011.685 | 1.118,370 | 1,254,255 | 1,407,975 | 1,065,726 | | 13,361,689 | |
| 875 | 671,784 854,627 | 970,064 944,450 | | 1,164,459 1,090,752 | 1,052,890 | 1,257,892 | 1,098,634 | 1,200,800 | 1,409,108 | 1,196,333 | 223,322 | 12,811,227 | 425 |
| cago, Mil. & St. Paul: | 305 | List | 400 444 | Louis Copy | | | | . 100.010 | . 010 = 41 | FF1 F00 | 040 100 | 0.040.104 | |
| 873334,715 874654,426 | 423,716 657,497 | 555,287 576,271 | 574,258 742,051 | 805,802 964,930 | 929,211 886,709 | 834,341 749,215 | 767,871 | 1,193,210 798,859 | 862,153 | 771,780 694,250 | 843,192 662,283 | 9,046,124 8,953,017 | 5.5 |
| 875466.101 | 323,273 | 502,765 | 639,669 | 718,465 | 742,169 | 842,395 | 630,516 | 741,206 | 974,262 | 927,030 | 747,893 | 8,255,744 | |
| 876 | 517,119 | 567,644 | 650,961 | 819,562 | 877,693 | 685,270 | 569,775 | 645,831 | 817,259 | 765,230 | 610,288 | 8,054,171 | |
| 877 | 405,000 | 469,000 | 515,000 | 606,000 | 589,000 | ****** | ****** | ****** | ****** | | | | |
| 873363.921 | 413.043 | 448,924 | 413,443 | 436,459 | 411,260 | 393,806 | 465,503 | 466,796 | 423,893 | 327,804 | 322,596 | 4,887,448 | |
| 874378,408 875277,140 | 292,730 255,239 | 328,537 301,666 | 352,993 304,424 | 317,881 303,689 | 345,188 285,947 | 338,572 291,386 | 418,721 306,105 | 387,376 383,550 | 409,237 364,738 | 353,564 367,295 | 325,399 333,038 | 4,248,606 3,774,217 | |
| 876296,258 | 329,321 | 299,675 | 297,526 | 315,950 | 320,783 | 263,177 | 335,895 | 367,601 | 333,298 | 282,631 | 234,343 | | |
| e: 8721,332,994 | 1,294,076 | 1,460,174 | 1,548,813 | 1,775,324 | 1 463 961 | 1,550,023 | 1,525,243 | 1,643,464 | 1.743.752 | 1,704,374 | 1.392.615 | 18,694,096 | |
| 873 | 1,329,422 | 1,515,382 | 1,541,958 | 1,754,821 | 1,717,593 | 1,784,894 | 1,820,756 | 1,879,764 | 1,825,630 | 1,529,307 | 1,522,585 | 19,548,617 | |
| 874 | 1,286,511 | 1,430,911 | 1,556,922 | 1,646,139 | 1,648,998 | 1,545,380 | | 1,605,138 1,538,089 | 1,680,196 | | | 18,136,787 | |
| 875 | 1,101,031 | 1,014,143 | 1,423,300 | 1,556,521 | 1,570,470 | 1,034,000 | 1 497,529 | 1,030,009 | | | ., | MA DECOME | |
| 875 94.532 | 116,286 | 138,779 | 147,439 | 125,890 | 122,455 | 113,131 | 153,068 | 154,634 | 173,911 | 169,639 | 151,709 | | |
| 876 | 156,111 136,160 | 174,335 162,000 | 148,573 194,573 | 141,289 162,719 | 141,426 | 138,087 | | 183,033 | 188,976 | 178,401 | 158,812 | | |
| inois Central : | | 10000 | I must be at | 107,533 | | | | | Philips Towns | | | | |
| 1873 | 597,429 517,674 | 660,759 561,793 | 553,912 586,962 | 635,459 672,234 | 742,600 692,416 | 684,840 627,454 | | 884,485 758,536 | 797,121 838,307 | 636,039 668,943 | 703,692 680,435 | | |
| 1875591.031 | 481,681 | 595,519 | 610,459 | 604,831 | 602,505 | 715 899 | | 718,101 | 816,508 | 773,092 | 679,434 | 7,802,556 | |
| 1876553,574 | 577,702 | 580,004 | 530,269 | 606,134 | 666,125 | 494,529 | 600,179 | 616,292 | 707,988 | 575,306 | 532,867 | 7,040,969 | , |
| 1877 | 460,839 | ******* | 447,409 | ****** | ******* | | 10% L .lea | 1 0m | 163. L. J. | | Absertific to | ******** | |
| 1872 | 1,302,139 | 1,504,478 | 1,536,193 | 1,489,333 | | 1,235,145 | | | | 1,567,875 | | 17,699,935 | |
| 1873 | 1,600,933 1,363,355 | 1,774,128 1,491,280 | 1,709,880 | | 1,604,448 | | | | | 1,433,735 1,335,892 | 1,572,693 | 19,414,509 17,146,131 | |
| 1875 | 1.037.518 | 1,287,841 | 1,275,664 | 1,100,142 | 1,055,699 | 1 079,808 | 1,178,324 | 1,306,826 | 1,392,487 | 1,275 955 | 1,280,371 | 14,434,199 | 9 |
| 18761,097,272 | 1,095,529 | 1,193,734 | 1,179,898 | 1,178,639 | 1,142,228 | 1,020,615 | 1,197,992 | 1,350,984 | 1,318,194 | 1,122,314 | 1,051,777 | 13,949,176 | 1 |
| o., Kan. & Texas: 1875198,099 | 204,539 | 233,095 | 192,471 | 187,091 | 221,444 | 211,735 | 263,208 | 291,827 | 305,144 | 300,534 | 295,738 | 2,904,925 | 5 |
| 1876. 256.459 | 254,722 | 245,814 | 214,788 | 212,928 | 233,126 | 224,308 | 294,361 | 324,144 | 335,275 | 324,886 | 296,466 | 2,904,925 3,217,277 | 1 |
| 1877 | 235,308 | 247,505 | 221,656 | 231,307 | 258,123 | | ****** | | ** **** | | ****** | Miles Sheni | |
| 1875245,989 | 244,983 | 309,908 | 273,441 | 257,971 | | | | 340,751 | 345,805 | 324,857 | 337,915 | 3,426,050 | 1 |
| 1876315,021 | 290,832 | 307,360 | 305,112 | 310,908 | 310,210 | 247,646 | 292,897 | 330,111 | 341,679 | | 3 ****** | | |
| hiladelphia and Reading: 1871506,367 | 423,045 | 644,506 | 688,578 | 1,063,002 | 1,510,088 | 1,213,303 | 1,359,633 | 1,418,141 | 1,413,643 | 1,423,278 | 837,090 | 12,500,664 | i. |
| 1872657,318 | 645,090 | 823,683 | 1,044,251 | 1,116,387 | 1.167.008 | 1.071.407 | 1.142.241 | 1.190.695 | 1,322,847 | 1,127,030 | 891,791 | 12,199,748 | |
| 1873 | 745,100 737,381 | 1,258,470 1,190,328 | 1,379,009 1,321,509 | 1,308,450 | 1,382,090 | 895,453 | 1,446,247 1,066,632 | 1,468,807 | 1,857,429 | 1,375,639 | 958,136 | 14,990,006 14,361,121 | į. |
| 1875 | 417,644 | | 650,270 | 689,193 | | 1,555,974 | 1,631,339 | 1,656,258 | 1,722,954 | | | | |
| 1876. t. Louis, I. Mt. & South'n: 1873 | | | | ****** | | | into 6 and | | | | Best own | and process | 5 |
| 1873145,834 | 152,054 | 224,449 | 207,627 | 254,927 | 216,223 | 200,575 | 223,714 | 244,967 | 238,198 | 209,622 | 221,349 | 9,539,538 | 1 |
| 1874243,915 | 211,409 | 226,288 | 214,620 | 251,509 | | | | | 358,776 | | 385,000 | 3,244,071 | L |
| 1875 | 312.116 | 275,910 295,000 | 264,560 273,002 | 275,147 264,900 | | | | | | | | | |
| 1877 | 352,407 | 350,000 | | | | | | | | | | | 2 |
| 1875 | 196,155 | 243,091 | 220,692 | 188,083 | 178,332 | 153,497 | 248,836 | 246,624 | 263,240 | 235,176 | 265,536 | 3 2,636,70 | |
| 1876 | 282,879 | | | 237,354 | 228,720 | 216,916 | | | | | 261,177 | 3,137,279 | 9 |
| 1877 | 250,100 | | | 227,179 | 171,850 | | | | | | | | 4 |
| Toledo, Peoria and Warsaw: 1875 | 61,809 | 72,805 | 74,809 | 70,592 | 77,963 | 89,402 | 113,018 | 123,954 | | | 116,769 | 3 1,411,73 | 12 |
| 18/6 99 208 | 112.261 | 162,737 | 118,043 | 125,209 | 135,928 | 92,74 | 9 143,47 | 145,028 | 137,978 | 101,075 | 98,06 | 5 1,120,48 | 8 |
| 1877 | 90,579 | 84,220 | 90,113 | 85,01 | 80,00 | | •lg1, ••l•••• | | | . 6-124-1899 | | • .; • • • • • • | |
| 1869. | | ******* | | 797,948 | | | | | | 837,388 | 716,82 | | 3 |
| 1869. 1870. 1871. 528,529 | 500,139 | | 706,603 | 802,586 | 746,450 | 643,058 | 664,051 | 728,521 | 719,698 | 570,168 | 505,053 | 3 7,654,09 | 1 |
| 1872 | 373,925 534.115 | | | | | | 681,865 789,567 | | 777,362 980,706 | 708,142 915,727 | 469,93 757,85 | 1 8.632.60 | 5 |
| 10/3. | 491.784 | 708,256 | 881,266 | 1,007,83 | 969,863 | 876,83 | 837,277 | 1,068,937 | 1,170,586 | | 758,83 | 8,532,600 3 10 266 10 | |
| | | 687,026 | 834,954 | | | | 2 1,042,516 2 1,015,459 | 1,063,993 | 1,141,938 | 1,000,598 | 903 159 | 11.993,83 | 2 |
| 1875. 574,930 1876. 664,987 1877. 815,354 | 697,138 | | | 1,201.95 | 1,042,534 1,154,315 | 978,78 | 1,363,176 | 1,305,986 | 1,365,509 | 1,236,487 | | 6 12,886,85 | |
| 1077 | 851,100 | | |) | | | | | | | | | |

NATIONAL AND STATE SECURITIES.

| ber Zurrecher, Document Total. 908 178,978 152,56t 1,530,360 000 235,793 264,547 2,469,500 | Amounts outstand- ing. | Rate. | Payable. | WHEN PAY- ABLE | Mark | ent March April May Jones and interest 112.014 for his 1915 and become any see the state of the | Amounts outstanding. | Rate. | Pay | able. | PAY- ABLE | |
|--|--|-------|------------------------------|----------------------|----------------------|---|-------------------------------------|-------|-----------------------|------------------------------|------------------------|------|
| National Securities, July 1, 1877. Loan of June 14, 1858 registered Loan of February 8, 1861 registered coupon | \$260,000 13,815,000 4,600,000 | | Jan. & July. Jan. & July. | 1874 1880 1880 | 1161 | Massachusetts—(§29,465,204): Lunatic Hospital Loan, 1874 Harbor Land Improvement bonds, 1874 Back Bay Land bonds, 1861 and 1862 | 650,000 400,000 220,000 | 5 | 66 | k July. | 1894 1894 1880 | |
| Dregon War Bonds of March 2, 1861coupon Loan of July 17, and Aug. 5, 1861registered | 945 000 126,238,000 | 6 | Jan. & July. Jan. & July | 1881 1881 | 107 | Union Defense Loan, 1861. Union Defense Loan, 1862. Coast Defense Loan, 1863. Bounty Fund Loan, 1863 and 1864. | 1,850,000 50,000 | 6 | Jan. d June a | k July. nd Dec. | '7 - '76 '77-'78 | 8 10 |
| Loan of Feb. 25, 1862 (5-20s)registered | 00,000,000 | 6 | May & Nov. | 1881 1882 1882 | 112 | Coast Defense Loan, 1863 Bounty Fund Loan, 1863 and 1864 | 888,000 8,380,244 999,944 | 5 | an, ar | d July. | 1883 1894 1899 | 11 |
| Coan of March 3, 1868registered | 21,222,000 | 6 | Jan. & July. | 1881 1881 | 1104 | Troy & Greenfield R.R. & Tunnel Loan. | 10,971,992 3,599,020 | 6 | | ious. | '88-'94 1900 | 4 10 |
| oan of March 3, 1864 (5-20s)registered oan of June 30, 1864 (5-20s)registered | ********* | 6 | May & Nov. | 1884 1884 1885 | | Michigan—(\$1,664,000): Renewal Loan bonds, 1858 | 105,000 | 6 | 66 | - 4 | 1878 | 10 |
| coan of March 3, 1866 (5-20s)registered (5-20s)coupon | 18,801,200 | 6 | Jan. & July. | 1885 1885 | 106 | . Wat Bounty Loan bonds, 1865 | 1,032,000 366,000 | - | | Nov. | 1890 | |
| (5-20s)coupon | 97,889,760 | 6 | Jan. & July. | 1885 1887 | 1061 1081 1081 | Minnesota—(\$2,755,000): State Buildings Loan, 1867 to 1869 State Buildings Loan, 1873, coupon Railroad Aid bonds, 1858, (repudiated). | 250,000 230,000 | 7 | Jan. d | L July. | '77-'79 '83-'03 | 3 |
| (5-20s)coupon 4th series (5-20s)registered (5-20s)coupon | 15,665,000 | 6 | Jan. & July. | 1887 1888 1888 | 111 | Missouri—(\$17,839,000): State Debt Proper, 1865 and 1868 | 2,275,000 439,000 | 6 | 65 | - 44 | 1887 | |
| oen of March 2, 1864. (10-408) registered | 142,010,450 | 5 | Mar. & Sept. | 1904 1904 | 109 | Consolidation bonds, 1868 | 2,727,000 1,100,000 | 6 | 44 | 66 | 1888 | 5 10 |
| onsols of July 1s, "10 & Jan. 20, '71 registered unded Loan of 1891registered | 219,135,650 289,804,700 | 5 | F. M. A. & N. | 1881 1881 | 109 109 108 | Bailroad Aid bonds, 1853-'66 | 15,868,000 505,000 | 6 | - 86 | 11 | '79-'87 '92-'94 | 7 10 |
| | 90,649,500 49,350,500 16,648,860 | 46 | M. J. S. & D. | 1891 1891 Due. | 1094 | Nevada—(\$160,000): Bonds funding floating debt, 1871 New Hampshire—(\$3,519,100): | 160,000 | 10 | Mar. | k Sept. | 1881 | 1 |
| Debt matured and without interest(var.). Navy Pension Fund of July 23, 1868(cur.) Pacific R. R. Bonds (registered)(currency) | 14,000,000 64,623,512 | 3 | Jan. & July. | Irred. | | War Loan Bonds, of 1861 | 213,000 600,000 | 6 | Jan. d Mar. d | k July. k Sept. | '77-'78 '84-'89 | 8 10 |
| Inited States Notes | 809,828,291 | nil. | | ***** | | War Loan Bonds, of 1864 | 500,000 2,206,100 | 6 | | k July. | | 0 10 |
| State Securities, latest dates. | 101 107.0 | | 502.536 | 20.000 | | New Jersey—(\$2,496,300): War Loan (tax free) bonds, 1861 War Loan (tax free) bonds, 1863 | 1,000,900 900,900 | 6 | 66 | 64 66 | '76-'84 '86-'96 | 4 10 |
| Alabama—(\$21,670,810): Bonds (old), extended Bonds (new), 1866, 768 772 and 773 | 2,582,800 2,212,700 | 5 8 | May & Nov. Jan. & July. | '86-'93 | 40 | War Loan (tax free) bonds, 1863 | 593,400 | 6 | " | 4 | 97-10 | |
| R. R. Loans (\$2,300,000)& endorsements. | 341,000 | 7 8 | 4 4 | 1894 '90 '91 | 20 | Bounty Loan bonds, coupon Bounty Loan bonds, registered | 1,057,000 14,855,000 | 7 | - 66 - 66 - 7 A | | 1877 | 110 |
| rkansas—(\$12,733,086); Honds (Funding), 1869 and 1870 | 3,050,000 1,460,000 | | Jan. & July. | 1899 1900 | 20 | Canal Stock (old) | 889,781 880,000 1,562,900 | 6 | une | J. & O. & Dec. k July. | 1878 1877 1887 | 11 |
| Levce bonds (warrants), 1871 | 300,000 | 7 7 7 | 4 4 | 1882 1895 | | Canal Stock, 1872 | 847,500 4,302,600 | 6 | 66 | # - # | 1883 | 1 |
| Railroad Aid bonds, 1869 and 1870 | 5,800,000 | 7 | April & Oct. | 1900 | 6 | North Carolina—(\$28,419,045): | 2,000,000 | 6 | - 1 | & Oct. | 1892 | 1 |
| Civil (S. F.) bonds, 1857 and 1860 Relief Fued bonds, 1863 | 75,500 795,500 | 7 | Jan. & July. | 1883 | | Railroad and Improvement (old) bonds Railroad and Improvement (old) bonds. | 4,738,800 8,639,400 | 6 | April | & July. | 75-'98 | 8 |
| Btate Capitol bonds, 1870 to 1872 | 500,000 2,801,00 0 | 6 | 4 | 1885 1893 | | Railroad and Improvement (new) bonds Railroad and Improvement (new) bonds Funding (new) bonds, 1866. | 2,383,000 1,695,000 2,417,400 | 6 | April | k July. & Oct. & July. | 75-1 | 8 |
| onnecticut—(\$5,014,000): War Loan bonds (10-20 yrs), 1861 War Loan bonds (20 yrs), 1863 and '64 | 508,900 2,195,500 | 6 | Jan. & July. | 1881 | 108 | Funding (new) bonds, 1866 | 1,711,400 11,407,000 | 6 | April 4 | & Oct. | 1898 | 3 |
| War Loan bonds (10-30 yrs), 1864 War Loan bonds (20 yrs), tax free, 1865. | 568,500 | 6 | April & Oct | 1894 1885 | | Loan (sinking fund), 1850 | 11,865 | 6 | Jan. | & July. | 1875 | |
| Delaware—(\$1,231,000): Buate bonds to railroads, etc | 1,231,000 | 6 | Jan. & July | 1885 | **** | Loan (sinking fund), 1860 | 4,082,840 2,400,000 | 6 | 44 | 4 | 1881 | |
| District of Columbia—(\$12,790,000): Improvement (gold) bonds, 1872 Improvement (cur.) bonds, 1878 | 4,000,000 | 6 | Jan. & July | 1893 | | Bounty and Relief bonds | 48,027 200,000 | 7 | 66 | 44 | '75-'84 1890 | |
| Funding bonds, 1874, (guar. by U. S.) Fiorida—(\$5,431,767): | 13,743,250 | | Feb. & Aug | 1000 | 1 5 | Pennsylvania—(\$24,568,635): Inclined Plane Loan, of 1849 | 400,000 | 6* | April | & Oct. | 1879 | 10 |
| Consolidated (gold) bonds of 1878. | 350,000 509,200 | 8 | Jan. & July | 1891 1903 1890 | | Loan of April 1862, reg. and coup | 395,000 3,518,500 87,000 | 5* | Feb. | & July. | 1882 77-17: 1882 | 18 |
| Loan (J.P. & Mob. R.R.) gold bonds, 1870 Georgia—(\$19,823,900): Bonds to Atlantic and Gulf R. R | 11/2-1 | 1. | Dab & Ann | 379 10 | 994 | Loan Stock Loan of Feb. 2, 1867, 2d series Stock Loan of Feb. 2, 1867, 3d series | 3,000,000 9,995,800 | 6 | 44 | 44 | 1877 1882 | 7. 1 |
| Bonds, act March 12, 1866 | 2,098,000 | 7 | Jan. & July | 1886 | 108 | Rhoge Island—(\$2,638,000): | 600,000 | 6 | | & Oct. | | 1 |
| Bonds (gold), act Oct. 1870 Bonds (funding), 1873 | 1,200,000 | 8 | April & Oct | 1890 | 6 | War Loan bonds of 1862 | 1,019,000 | 6 | War. | & Sept. | 1892 | |
| Bonds to Brunswick & Albany R.R., '76 Railroad aid bonds (endorsed), 1870 & '71 (llinois—(\$1,689,045): | | Var | June & Dec Various. | 190-19 | 1 106 | South Carolina—(\$14,587,295): State House Stock, 1856 to 1861 State House bonds, 1853 and 1854cur. | 944,918 287,000 | 6 | | & July | '77-'8 '71-'8 | |
| Refunded Stock bonds, 1859 | 940,445 320,000 | 6 | Jan. & July | 1878 var. | | Blue Ridge R. R. bonds, 1854 | 867,000 | 6 | 4 | | '75-'7 '87-'9 | 79 |
| Chicago Relief bonda, 1871 | 250,000 | | May & Nov | 1 | 1 | Land Commission bonds, 1869 and 1870. | 261,000 | 6 | Jan. | J. & O. | 1889 | 9. |
| 'Femporary Loan bonds, 1878 | | 7 | April & Oct | | | Fire Loan Stock of 1838 | 616,000 | | Jan. | J. & O. | | 8 |
| Kansas (\$1,326,175): Funding &c. bonds 1863 to 1864 | 100 FAR 1 | 6 | Jan. & July Jan. & July | 3 440 | | Railroad bond endorsements | 4,707,608 | Val | | rious. | var. | |
| Bonds (various) 1866 to 1869 | 889,000 | 7 | | 76-19 | 9 | State Bonds (direct) | 28,530,000 | 6 | Jan. | & Oct | 30 yr | ra L |
| Outsiana—(\$21,099,100): Treasury Relief bonds, 1853 Levee bonds, 1866 | 735,000 | 6 | Jan. & July Various. | 1893 | | Funding bonds, 1866 and 1868 | 7,141,000 6,222,000 | 6 | | | 1914 | 100 |
| Levee bonds, 1867 | 3,992,000 | 6 8 | | . 1907 | 40 | State Bonds | 125,000 75,000 | 6 | 66 | & July | 1877 | |
| Funding (coupon) bonds, 1866 Funded (floating debt) bonds, 1870 | 722,100 2,821,000 | 6 | Jan. & July | . '86.'8 . 1910 | 40 | Revenue Deficiency (gold) bonds | 500,000 | 7 | 6 66 6 66 | 41 | 1910 1892 | 2 . |
| Penitentiary bonds, 1869 | 389,000 | 7.3 | | 1896 | | Funding (gold) Bonds | 279,000 | 10 | Mar. | & Sept. | 1904 | 6 . |
| Railroad Aid (various) bonds | 4,750,000 | 8 7 | | 199-17 | 1 | Vermont—(\$312.500): | 1,100,000 | 10 | . " | | 1894 | 4 |
| M .(vland-\$11.095,019): | | 5 | J. A. J. & (| 1890 | 97 | War Loan bonds, 1862 | | 6 | Jne | & Dec | '75-'9 | 0 1 |
| Bonds to R. R. and Canals Defense and Bounty bonds 1864 to 1868 | . 8,833,583 | 6 | Jan. & July | 1890 | 1113 | Coupon (old: bonds, 1851 to 1861 | 7,562,652 | 6 | Jan. | & July | '86-'9 | |
| State Loan bonds, 1870 and 1874 | 100 1013 | 6 | 100,004 | 21531 | 104 | Registered (new) bonds, 1866 and 1867. | 90 980 005 | 6 | 46 | | 4 yr | r. |
| Givil (var.) bonds, 1867 to 1861 | 3,832,500 | 6 | | 180-18 | 108 | Consol. (coup. not so receivable) 1872. | 2,442,784 | 6 | | | 1906 conti | 6 |

Asterick (*) affixed to rate of Interest signifies "Psyable in Coin."

| Description of Bonds. | Amount. | Rate. | Interest 1 | Where. | Due. | Price | Description of Bonds, | Amount. | Rate | When. | Where, | Due | Price |
|--|------------------------|-------|---------------------------------------|------------------------------|--------------|----------------|--|-------------------------|------|---------------------------------|----------------------------|--------------|-----------------|
| lirondack: | and w | - | When. | W nere. | - | - | Biue Ridge, (S. Car.): | 11.00 | | F-2016/03/03/25 | AUTO TOPO | D. Differen | 8 |
| st Mortgage | 940,000 | 7 | Jan. & July. | New York. | 1886 | | 1st Mort., guar. by State (gold) . Boston and Albany: | 4,000,000 | 7* | Jan. & July. | Charleston. | 1898 | ••• |
| abama and Chattanooga: at Mortgage, guar. by Ala | 5,200,000 | 8* | Jan. & July. | New York. | 1889 | | Currency bonds of Feb. 1, 1872. | 5,000,000 | 7 | Feb. and Aug. | Boston. | 91-192 | 114 |
| d Mortgage | 2,673,000 1,200,000 | 8 | 4 .611 W | Miles Hot | 1889 | | Boston, Clinton and Fitchburg: 1st Mortgage (Agricultural Br.). | 400,000 | 6 | Jan. & July. | Boston. | 1884 | 85 |
| abama and Georgia : | L Districted | 1 | 000,x0x,1 q,va | ries (L'enlass | Dist. | 1016 18 | 1st Mortgage (Equalization) | \$00,000 252,000 | 7 | 4 4 | 7 1119 | 1889 1890 | 92 |
| let Mortgage, guar by Ala & Ga. abama Central: | 16,000pm | 8 | Jan. & July. | New York. | 1891 | **** | 1st Mortgage (Consolidation) Equipment Mortgage | 870,000 | 8 | Apr. and Oct. | of a said wat | 1881 | 80 |
| st Mortgagebany and Susquehanna: | 1,600,000 | 8 | Jan. & July. | New York. | 1901 | | Boston, Concord and Montreal: Sinking Fund Mortgage | 624,000 | 6 | Jan. and July. | Boston. | 1889 | 95 |
| st Mortgage | 1,000,000 | 7 | Jan. & July. | New York. | 1888 | 1074 | Consol. Mortgage for \$2,000,000. | 1,041,006 | 7 | Apr. and Oct. | Boston. | 18V3 | 100 |
| d Mortgaged Mortgage | 2,000,000 434,000 | 7 | April & Oct. May & Nov. | | 1885 | 97 | Soston, Hartford and Erie: | 346,000 | | Challers I es | The Late Co. | 1893 | |
| Albany Loan | 933,000 | 6 | " " " " " " " " " " " " " " " " " " " | | 1895 | | 1st Mortgage (old) | 273,000 | | Mar. and Sept. | Boston. | 1884 | |
| CAMBULE BULL Fredericksours: | 1,000,000 | 7 | June & Dec. | Philadelphia. | 1896 | | 1st Mortgage (Berdell) | 15,000,000 5,000,000 | 7 | Jan. and July. | New York. | 1900 | 11 |
| st Mortgagelegneny Valley: | o a nerce | | 000,626,1 71 | and the state of | 02226 | 1041 | 1st Mortgage, guar. by Erie Mass. L.(sec'r'd by\$4,000,000Ber.) Boston and Lowell: | 3,600,000 | 7 | 4 4 | Boston. | 1899 | |
| General Mortgage | 3,500,000 | | Jan. & July. January. | New York. Harrisburg. | 1898 | | Bonds (Wharf Purchase) | 200,000 | | Apr. and Oct. | Boston. | 1879 | 104 |
| st M., E. Ext., guar, by Pa. R.R. Funding Income (traffic guar.) | 9,938,000 | | April & Oct. | Phil. or Lond. Pittsburg. | 1900 1894 | 81 | Bonds of 1872 for \$1,000,000 Bonds of 1875 | 500,000 | | Mar. and Sept. | the Boyellener. | 1892 | 10: |
| merican Central: | 5,402,900 | 0.5 | (v) 5,870,000 | Tittsburg. | OLL | 1036.00 | Bonds of 1876 | 161,000 | | Jan. and July. | 63330) Cat 101 | 1890 | |
| lst Mort., guar. by C., B. & Q. adroscoggin: | 386,000 | 7 | Jan. & July. | New York. | 1878 | 1014 | Boston and Maine: Bonds of 1893 (coup. and reg.) | 8,200,500 | 7 | Jan. and July. | Boston. | 198-194 | 111 |
| st Mortgage (Bath Loan) | 425,000 | 6 | Jan. & July. | Bath, Me. | 1891 | | Boston and New York Air Line: | | | The second second | - zantolife; v. fe | 200126 | 1 |
| kansas Central (narrow gauge): st Mortgage | 1.200.000 | 74 | Jan. & July. | Lond. or Ams | 1891 | | Boston and Providence: | 500,000 | 7 | Feb. and Aug | New York. | 1895 | 106 |
| shtabula, Youngstown & Pitts.: | | | Sellent Land | Lynn C. Iron da | Bla | N IN | Bonds to purchase P., W.&B.Rd. | 500,000 | 7 | Jan. and July. | Boston. | 1893 | 108 |
| lst Mortgage2d Mortgage, Income | 1,500,000 | | April & Oct. | New York. Pittsburgh. | 1901 | | Brunswick and Albany: 1st Mort.(gold)end. by Ga.tax fr. | 3,630,000 | 6 | Apr. and Oct. | New York. | 1908 | |
| 2d Mortgage, Incometchison and Nebraska: | 4 4000 | | 100 012 July | not replied in | 0 000 | of the | 2d Mort, sinking fund gold Buttalo, Bradford and Pittsburg: | 2,350,000 | 7 | 000,000,8 Mus | (40,490 54.2) | 1893 | |
| 1st Mortgagetehison, Topeka and Santa Fe: | 0,700,000 | | March & Sept. | Boston. | 1896 | *** | General Mortgage | 680,000 | 7 | Jan. & July. | New York | 1896 | |
| lst Mortgage (gold) | 7,041,000 | 74 | Jan. & July. | New York. | 1899 | 187 | Buffalo, Corry and Pittsburg: | 700,000 | 7 | Jan. and July. | New York. | 1886 | 10 |
| Land Grat Mortgage (gold) lst Mort. (Wichita Br.) traf. guar | 3,369,000 412,000 | 7 | April & Oct. Ja & July. | Boston, | 1902 | | 1st Mortgage Buffalo and Erie : | E 18 1000 | 13 | 2007 1750 A. CES | Stant's STI Vo | A | 100 |
| Pottawotomie Land Grant Consol. Second Mort. (gold) | 479,000 | 1 | May & Nov. | N. Y. or Bost | 1879 1903 | 161 | Mort. bonds (ass'd by LS&MS) Mort. bonds (" " | 200,000 | | Jan, and July. March & Sept. | New York. | 1882 | |
| Land Income bonds | 475,000 | 12 | Jan. & July. | Boston. | | 1014 | Mort. bonds (" " | 2,850,000 | | | moliz amientiz | 1898 | 10 |
| tlanta and Richmond Air Line. 1st Mortgage (guar. by Georgia). | 4,248,000 | 8 | Jan. & July. | New York. | 1900 | 50 | Buffalo and Jamestown: Mortgage | 1,000,000 | 6 | 000 000,7 | New York. | 1902 | 1. |
| tlantic and Great Western: | | | 100 24 115 I | en paintenant t | 1 | 16.9 | Buffalo, New York and Erie: | A 308 | 1 | Thousand Tank | New York. | 2000 | blo |
| lst Mortgage (gold) 2d Mortgage (gold) | 14,922,200 | 70 | Jan. & July. March & Sept. | N.Y. or Lond | 1902 | | 1st Mortgage (assumed by Erie) Buffalo, New York & Phila.: | Al St. divort | 7 | June & Dec. | 1.20 N 20 N | 1877 | 0 |
| id Mortgage (gold) Income | 28,783,000 | 70 | May & Nov. | | 1902 | | 1st Mortgage | 2,296,000 | | Jan. & July. | New York. | 1898 | 9 |
| tlantic and Gulf: Consolidated 1st Mortgage | 2,310,200 | 1 | Jan. & July. | New York. | 1887 | 86 | Burlington, Cedar Rapids & Minn. | 281,500 | 1 | that Wit will be | to the first of | 1893 | 1.1 |
| ist Mortgage (S. Ga. & Ma.R.R.) | 464,000 | 7 | May & Nov. | 44 44 | 1888 | | 1st Mortgage, stg., skg. fund 1st Mort., (gold) Mil. Div | 0,4 30,000 | | May & Nov. | N. Y. & Lond | | 4 |
| 2d Mortgage (S. Ga. & Fla. R.R.) tlantic and Lake Erie: | 200,000 | 7 | 4 | 44 44 | 1889 | 1 | Burlington and Missouri River: | 2,200,000 | 1 | Feb. and Aug. | | 1902 | 1 |
| lst Mort. (gold) for \$5,000,000 | | 7* | Jan. & July. | New York. | 1901 | | Land and R. R. Mortgage Stock Bonds pref. 3d lien | 4,638,250 | | | N. Y. & Bost Boston. | 1893 | 11 |
| tlantic, Miss. and Ohio (428 m.): 1st Mortgage for \$15,000,000 | 5,470,000 | 70 | April & Oct. | New York. | 1901 | | Stock (common) Bonds | 289,500 | 8 | April & Oct. | N. Y. & Bost | 1879 | 10 |
| 2d Mort. to State (no int. till '80). | 4,000,000 | | | .44 | | | Stock (common) Bonds Stock (common) Bonds | 280,000 401,000 | | Jan. & July. | A out to be | 1894 | 10 |
| Land Mortgage gold bonds | 2,829,000 | 6 | Jan. & July. | New York. | 1888 | | Burlington and Mo. Riv. in Neb.: | th puri | 10 | 200,016 200 | Call Control | 1000 | 13 |
| 2d Mortgage for \$3,000,000 (gold) | 2,015,500 | 64 | May & Nov. | 66 66 | 1891 1888 | 61 | 1st Mortgage convertible Bonds convertible until 1882 | 5,715,000 | | Jan. & July. | N. Y. & Bost Boston. | 1894 | 10 |
| 1st Mort. (So. Pac.R R.)assumed 1st Mort. (Central Div.) gold | 1,190,000 | 6 | Jan & July. May & Nov. | 44 44 | 1891 | **** | Burlington and Southwestern: | 5 4 .00 | | 000,001,0 | Tri _tring_attitus | 233 | 100 |
| lst Mort. (Central Div.) L. G Equipment Bonds | 794,000 | 64 | | 44 44 | 1901 1883 | | 1st Mortgage (\$20,000 per mile). Cairo and Fuiton (Arkansas): | 1,800,000 | 8 | May & Nov. | Boston. | 1891 | |
| Income Donds (for funding) | 529,600 | 64 | | 4 4 | 1883 | **** | 1st Mort. (R.R. and lands) S.F. | 8,000,000 | 7 | Jan. & July. | New York. | 1891 | |
| Land Debenturestlantic and St. Lawrence: | 500,000 | 10 | J. A. J. & O. | - 44 | 1884 | | Cairo and St. Louis (3 ft. gauge): | 2,500,000 | 7 | April & Oct | New York. | 1901 | bb |
| Sterling bonds (not Mort of 1853. | | 6 | May & Nov. | L . n | 1878 | | lst MortgageCairo and Vincennes: | to the the | 1 : | 1 00E,E28 | Vinc. Mont. 2. | wood a | g eq |
| | 713,000 | 6 | April & Oct. | 46 | 1884 | | 1st Mortgage, gold | 1,500,000 | 7 | April & Oct | 4 & Long | 1898 | 1 |
| 3d Mortgage (sterling) of 1871 Portland City Bonds, 1st M., s. f. ald Eagle Valley | 787,000 | 6 | | Portland. | 1886 | | 2d MortgageCalifornia Pacific: | 0.050.000 | | 1 | * All (1) (1) | 1000 | 0 73 |
| THE BUILDINGS OF THE PROPERTY OF THE PARTY O | 354.000 | 6 | Jan. & July. | Philadelphia | 1881 | | 1st Mortgage, sinking fund Extension, or 2d Mortgage | 0,000,000 | | Jan. & July | - 111.0 | 1889 | |
| and implifyingly assessment and account to the contract of the | 100,000 | | | 0.897,9000 | 1884 | | First Income bonds | 1,000,000 | 0110 | Jan & July | ******** | 1891 | |
| altimore and Ohio: Loan of 1850-'80 | 579,500 | 6 | Jan. & July. | Bauimore. | 1880 | 101 | 2d Income, or double track b'de Camden and Amboy: | A RECE | | Tood ber 1210 1 | A Surgery | nt residu | 1. |
| Loan of 1853-'85 | 1,710,000 | 6 | April & Oct. | 4 | 1885 | 103 | Loan of 1883 | 1,700,000 | 6 | June & Dec | Philadelphia Princeton. | 1888 | 10 |
| Loan of 1855-'90 (Balt.) skg fd Loan of 1870-'95 (stg.) skg fund. | 3,398,956 | 6 | Jan. & July. March & Sept. | London. | 1890 1895 | | Mortgage Loan of 1889 | 5,000,000 | 0 6 | May & Nov | Philadel phia | 1889 | 16 |
| Loan of 1872-1902 (stg.) S. F Loan of 1874-1910 (stg.) S. F | 9,198,852 | 0 | | | 1902 | | Sterling Loan, S. F. (£262,000). Camden and Atlantic: | 1,286,080 | | · Feb. & Aug | ettern Land meet | 1880 | - |
| alumore and Potomac: | | 1 | * May & Nov. | politica Lining | mill. | | 1st Mortgage | 490,000 | 7 | Jan. & July | Philadelphia | | 11 |
| 1st Mort. (Tunnel) gold guar | 3,000,000 | 6 | Jan. & July. April & Oct. | Baltimore. | 1911 | | 2d Mortgage | . 500,000 | 1 | April & Oct | ey sing fund of | 1879 | .9 |
| 1st Mort, (Tunnel) gold guar 1st Mortgage (R. R.) gold guar angor and Piscataquis: | 3,000,000 | 1 | 14.4 | Whereach, III. | - 30 | | Consolidated 1st Mortgage | . 350,000 | 0 8 | Feb. & Aug | Philadelphia | . 1897 | 10 |
| 1st Mortgage (Hanger loan) | 120,000 | | | Boston. | 1899 1901 | | Canada Southern: 1st Mort.(skg fd)g'd for \$9,000,00 | 9,000,000 | 0 7 | Jin, & July | New York. | 1906 | 10 |
| 1st Mortgage (Banger Ioan) 1st Mort. (Bangor Ioan) extens'n ay City and East Saginaw: | 220,000 | | ORSEG,I | D. L | - UAR | 2 4 3 | Cape May and Millville: | u u | | 8 FOOT TOO | Camden. | 311)3 | 9.1 |
| edford and Bridgenort | 100,000 | 10 | Jan. & July. | Detroit. | 1886 | | 2d Mort.,guar. by W.Jersey R.R. Carbondale and Shawneetown: | 400,000 | 1 | April & Oct. | Per. & Hung | 0500 | 9 p.3 10 p.3 |
| lst Mortgage | 1,000,000 | 7 | April & Oct. | Philadelphia | . 1892 | | 1st Mortgage | 200,000 | 7 | Jan. & July | *********** | 1902 | |
| 1st Mortgage (gold) | 150,000 | 6 | May & Nov. | Portland. | 1890 | | Carolina Central: 1st Mortgage | 3,000,000 | 0 6 | Jan. & July | New York. | 1928 | |
| 1st Mortgage (goid)ellefonte and Snow Shoe: | 200,000 | | 100,000 000 | A CHARLEST ! | - 34 | 1 | 2d Mortgage Income Bonds. Carthage and Burlington: | 3,000,000 | 0 7 | April & Oct | South Hearth and | 1914 | |
| el'efontaine and Indiana | 99,000 | 6 | 000,1247,011.0 | Philadelphia | 1883 | | 1st Mort., guar. by C., B. and Q. | 266,000 | 8 0 | May & Nov. | New York. | 1879 | 10 |
| 1st Mort., assu'ed by C., C., C. &1 elieville and Southern Illinois: | 453,000 | 7 | Jan. & July. | New York. | 1899 | | Catawissa: 1st Mortgage (old) | | | | Dellugg dies | 1889 | 99 |
| 1st Mort, guar, by St. L.A.& T.H | 1,100,000 | 8 | April & Oct. | New York. | 1896 | 85 | 1st Mortgage (new) | 1,300,000 | 0 7 | 4 4 | Albert Louis State | 1900 | 10 |
| 1st Mort., guar. by St.L.A.& T.H eiolt and Madison (C. & N.W.) | 001.000 | 1 | 1 1000/1009 | LN hot tone | 1437 | 11/201 | 1st Mortgage (new) | 209,850 | | May and Nov. | and the same | 168-18 | |
| lst Mortgage (guaranteed) elvidere Deiaware: | | 1 | Jan. & July. | New York. | 1888 | | 1st Mortgage | 800,000 | 0 7 | June and Dec | New York. | 1901 | 1 |
| lat Mortgage (guar by C. &) | 400 | 6 | June & Dec. | New York. | 1877 | 109 | Cazenovia and Canastota: | | | Feb. & Ang | sessed Values | 1800 | Lon |
| 1st Mortgage (guar by C. & 2d Mortgage A. Co. and 3d Mortgage (Penn. R. R. Co.) Singham Campon & Camp Floyd | 745,000 | 6 | March & Sept. Feb. & Aug. | Philadelphia | 1887 | | 1st Mortgage, gold | 200,000 | 199 | PRODUCES TILLY | Meyer out that | 1000000 | |
| angham Canyon & Camp Floyd | die een | 1. | | SERVINGET DATE I | 1113.5 | 1400 | 1st Mort. (C. F. to Waverly) 1st Mort. (W. to Minn. Line) | 198,000 | 1 | april & Oct. | New York. | 1984 | 3 |
| let Mortgage | 240,000 | | July. | ********* | 11100 | | [The World At 1 to WITHIN THIRD) ++ | - stare on | 417 | | of managers (1991) | we subd | |

Bit C

AMERICAN RAILROAD BOND LIST.

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

| Description of Bonds. | Amount. | ate | | Payable. | Due. | Рисе | Description of Bonds. | Amount. | Rate. | | Payable. | Due. | 1 |
|---|-----------------------------------|------|---------------------------|--|------------------------|------------|---|-----------------------|-------|-------------------------------|----------------------|----------------------|---|
| Sautopassaria and Acity co | 1 4 41 | H | When. | Where, | A | A | 4 | | H | When. | Where. | a | 1 |
| edar Rapids & Mo.Riv.(C&NW) 1st Mortgage, 1st Div. \$10,000pm 1st Mortgage 2d Div. \$10,000p.m 1st Mortgage 2d Div. \$16,000 p. m | 678,000 582,000 | 7 | Feb. & Aug | THE REAL PROPERTY. | 1891 1894 1916 | 99 | Chicago, Iowa and Nebraska: 2d Mort. (now 1st) guar.C&NW 8d Mort. (now 2d) guar.C.&NW Chicago and Lake Huron: | 568,210 211,500 | | Jan. & July. Feb & Aug. | Boston. New York. | 1880 1892 | - |
| entral Branch Union Pacific: 1st Mort. (Atch.& Pike's Peak). | 1,600,000 | 64 | May & Nov | New York. | 1895 | 49 | 1st Mort. 1st series (Peninsular.) 1st Mort. 2d series (") | 2,000,000 | 7* | May and Nov. | 46 | 1899 1900 1899 | |
| 2d Mortgage Governm't at saidy entral of Georgia: General Mort, for \$5,000,000 | 2,222,000 | 7 | | N.Y. & Savan | 1893 | | 1st M. (Port Huron & L. Mich.) 2d Mortgage (Peninsular.) Consolidated Mortgage* | 540,000 12,000,000 | | Feb. and Aug. | New York. | 1881 | |
| Macon & West. (Atlanta D.) b'di | | 1.0 | April & Oc | minutes in sent | 1880 | 321 | Obicago and Milwaukee Hailway: 1st Mort., guar. by C. and N.W. Chicago and Mich. Lake Shore: | | 1 | Jan. & July. | New York. | 1898 | |
| st Mortgage, gold, \$16,000 p.m. d Mortgage, gold, \$4,000 p.m. ntral of L I. (Flush., N.C.&C.) | 925,000 | 7* | April & Oc | L a link | 1991 | | let Mortgage | \$,500,000 | 8 | March & Sept. Jan. & July. | Boston. | 1889 1890 | |
| st Mortgage ntrai of New Jersey: Convertible bonds of 1872 | 1,275,000 | 1 | May & No | 0.000,000,000 | 1889 | 661 | lst Mortgage | 1,350,000 | | May & Nov March & Sept. | ** | 1891 1892 | |
| st Mort.(New)for \$5,000,000 Newark Branch Bonds | 600,000 | 7 | Jan. & July | 4 4 | 1890 | 111 | 1st Mort. (Chic. and Mil. Div.) | 2,500,000 | 7 | Jan. & July. Jan. & July. | New York. | 1893 1903 | |
| coan of Leh.C. & Nav.Co.(asu'd Consol. Mort. for \$25,000,000 ntral Ohio (B. and O.:) | 2,310,000 15,000,000 | 7 | J. A. J. & C | New York. | 1897 1899 | 63 | lst Mort. (East. Div. Palmer.) | 3,810,000 | 7 | Jan & July. | 44 44 44 44 | 1874 1897 1894 | |
| st Mortgage guaranteed | 2,800,000 | 0 | | The state of the s | 1890 | 974 | 1st Mort. (Minnesota Central.) 1st Mort. (St. Paul Division.) 1st Mort. (Iowa and Dak. Div.) | 748,000 | 7 | 44 44 | 66 66 66 66 | 1902 1899 | |
| Let Mort., 30 years bonds, (gold) Convertible 20 years bonds, gold State Aid B'ds(Int.by State)gold 2d Mort. (Governm't Subsidy) | 1,483,000 | 70 | # 44 44° | Sacramento. | 195-19 1883 1884 | 104: | 1 1st Mort. (Prairie du Chien Div.) 2d Mort. ("" 1st Mort. (Hast. and Dak. Div.) | 1.315,000 | 7.5 | | 66 66 66 66 | 1898 1898 1902 | |
| THE WOLP (AS GREELIN T. WOLLD!) ROLL | 1 2/100/000 | 1 0 | | U.S. Treasury New York. | 1899 | 100 | let Mort, (Mil. and Western) 2d Mortgege | 675,000 | 7 | April & Oct. | 66 66 66 66 | 1891 1884 | |
| 1st Mort. (Calif. & Oregon) gold 1st Mort. (S. Fr., Okld & Ala.). 1st Mort. (San Joaquin V.D.) gold | 8,000,000 500,000 6,030,000 | 84 | | | 1888 1890 1900 | 88 | Equipment and Bridge Bonds Consol. Mort, for \$35,000,000 Chicago and Northwestern: | 219,000 | | Jan. & July. | - et et | 1883 | |
| Land bonds (Cen. Pac. Co.) gold | 9,209.000 | 6 | 14 44 | H H | 1890 | 93 | Preferred sinking fund (193 m.). General 1st Mortgage (193 m.). | 3,578,000 | 3 7 | Feb. & Aug. | New York. | 1885 1885 | |
| 1st Mort., Consol. (Vt. Central) 2d Mort., Consol. (**) 1st Mort. (Stan., Sheff. and Ch. | 3,000,000 1,500,000 500,000 | 7 | June & De Jan. & July | 4 | 1891 | 391 | Funded coupons (193 m.) | 146,000 | 0 7 | May & Nov. Feb. & Aug. | | 1883 1885 1885 | |
| Income and Extension Bonds. Equipment Mort. (Vt. Central) Equipment Mort. (| 1,000,000 | 8 | | | 1902 | 7 89 39 | 1st Mort. (Gal. & Chi. U.) 248 m Elgin and State Line | 1,692,000 | 7 6 | Jan. & July. | u 4 | 1882 1878 | |
| Requipment Mort. (Bonds, guar. (Vt. and Canada Missisquoi R.R.(" | 1,000,000 1,000,000 500,000 | 8 | | | 1889 1891 1891 | 364 | Mississippi River Bridge 1st Mortgage (Peninsula) Consol. skg fund (C.& N.W.R'y) | 328,000 | 0 7 | March & Sept | 44 44 | 1884 1898 1915 | |
| Cent. Vt. (Vt. & Ca. Mort.)b'd arrieston and Savannah: | 3,000,000 | 6 | S CHANGE | | 1904 | | General Consol. Gold Bonds 1st Mort. S. F. (Madison Exten.) | 3,150,000 | 7 | June & Dec | 44 44 44 44 | 1902 1911 | |
| ist Mortgage guar. by State Funded Interest on ist Mort pariotte, Columbia & Augusta | . 157,400 | | March & Sep | t. Charleston. | 1877 | **** | 1st Mort. S. F. (Menominee Ext.) 1st Mort. (Chic. & Mil.R. W.) guar 1st Mort. (Bel. & Mad. R. R.) guar | r 1,700,000 | 7 | June & Dec | 4 4 | 1911 1898 1888 | ķ |
| 1st Mortgagehartiers: | 2,000,000 | 1 | Jan. & Jul | 2010/12/20 00:00 | | 76 | Chicago and Paducah (C. B. & Q.) ist Mortgage \$26,000 p. m. gold. Chi., Pekin & Southwrn (C & Q.) | : | 1 | Jan. & July | 1 3 2 2 6 1 1 | 1903 | |
| 1st Mort., guar. by Penna heraw and Darlington: 1st Mortgage dated Jan. 1, 1871 | 1 | | 1150 415 | | | **** | Chi., Pekin & Southwrn (CB&Q) 1st Mortgage for \$10,000per mile Chicago, Rock Island and Pacific | 700,00 | 0 8 | Feb. & Aug | New York. | 1901 | |
| 2d Mortgage dated Jan. 1, 1869 herry Valley, Sharon and Alb. 1st Mort. con. guar. by A.& S.Co | 75,000 | 7 | Jan. & Jul | y. " " | 1888 | | Branch Bonds Sinking Fund New Mort. bonds for \$12,500,000 | . 5,000,00 | 0 6 | Feb. & Aug | . 44 | 1896 1895 1917 | ì |
| hesapeake and Ohio : 1st M.(gold) skg fd for \$15,000,00 1st Mort, Extension.(cou. or re | | 0 6 | May & No | | 1899 1902 | 22 | Chi. & Southwes'n(C.,R.I.&Pac.) 1st Mort. gold, tax free, guar 1st Mortgage gold (Atchison Br. | 5,000,00 | | May & Nov | | 1889 | |
| 1st Mort. (Va. Cen.) guar. by V | 100,000 | 0 6 | 11 4 | 4 | 1880 1884 | **** | Chicago and Superior: 1st Mortgage (Mad.& Portage)g' Chillicothe and Brunswick: | | | April & Oct | J. 121 107 | | |
| Income (") coupon Funded Interest, coupon heshire: | 160,50 | | | | 1876 | | Chilicothe and Brunswick: 1st Mort, guar.by St.L.,K.C.&N Cincinnati, and Baltimore: | 500,00 | 0 8 | Jan. & July | . New York. | 1894 | |
| Coupon bonds (no Mort.) hester Creek (Phil. & Balt. Cent. |): | | T 1007, HE | A commendate | 177-1 | | 1st Mort, guar.by B.& O.& M.& C Cincinnati, Hamilton and Dayton | : | | | | 1900 | |
| 1st Mort., guar. by P., W. & B. hester and Tamaroa: 1st Mortgage | 185,00 | 1 | | y. Philadelphia v. New York. | 1 | | 2d Mortgage of 1865 | 498,00 | 0 7 | | . 44 44 | 1880 1885 1965 | 5 |
| hicago and Alton: 1st Mortgage, pref. sinking fun | 28,00 | 0 7 | May & No | v. New York | 1877 | 107 | Uncinnati, Ham. & Ind. (C., H. & D.) 1st Mort., guar. for \$2,500,000 | 1,846,00 | 1 | Jan. and July | | | |
| 2d Mortgage Income | 1,100,00 | 0 7 | | ct. 66 46 | 1893 1883 1903 | 117 | Cincinnati, Lafayette and Chi.: 1st Mortgage Consolidated Mortgage | 1,120,00 | | March & Sept | | 1901 | |
| 2d Mort. (St.L.J. & U.) assume | 188,00 | 0 7 | Jan. & Ju | y. New York. | 1894 1898 | 106 | Cincinnati and Martinsville: 1st Mort., guar. by I.,C. & La,F. Cincinnati & Muskingum Valley | | 1 | Feb. & Aug | 1 44 1 4 1 4 1 | 1 000 | |
| 1st Mort. (Louisiana and Mo.) hieago, Burlington and Quincy Trust Mortgace skg fund | | | Feb. & Au | | 1900 | 1 | 1st Mortgage | 1,500,00 | 0 7 | Jan. and July | New York. | 1901 | L |
| Trust Mortgage, skg fund conv Trust Mortgage (Burl. to Peori | 150,00 667,00 | 0 8 | April & O | et. a a | 1883 1890 | | 1st Mortgage guar. by C.,H.&I | 560,00 65,00 | | | New York. | 1895 1889 | |
| Losn of 1872 Bonds of 1875, Sinking Fund. Consol. Mortgage for \$80,000.00 | 448,00 | 0 8 | June & De | y. Boston. | 1896 1895 1903 | 90 | 1st Mortgage gold, guar | 1,800,00 | 0 7 | June & Dec | . New York. | 1921 | Ł |
| Consol. Mortgage for \$80,000,00 1st Mort. (Am. Cen. R.R.) gua 1st Mort. (Car. and Burl.) guar | 266,00 | 8 10 | May & No | V. " " | 1878 | | 1st Mortgage 1st Mort. (San., Day, & Cin.)S.I | 1,072,30 F. 988,00 | 10 6 | Feb. & Aug | Boston. | 1900 | 0 |
| 1st Mort. (Dix., Peo. & Han)guz 1st Mort. (Ill. Gr. Trunk) guar 1st Mort. (Keok. & St. Paul)guz | 900,50 | 0 1 | April & O | ct. Boston. | 1889 1890 1879 | | 1st Mort. (Col., Spring, & Cinc | 350,00 | | | New York. | 1901 | |
| 1st Mort. (O., O. & Fox Rv.)gus 1st Mort. (Peo. and Han.) guar | r. 1,079,00 277,00 | 0 8 | Jan. & Ju | New York | at. 1900 . 1878 | *** | 1st Mort. (guar. by U. C. C. & I 2d Mortgage | 2,000,00 | 00 | April & Oc. | New York. | 1901 | |
| 1st Mort. (Quincy & War.) gua 2d Mort. (Northern Cross) gold hicago and Canada Southern . | 1 | 0 4 | | TA . T . OF TOOR | | | . I lat Mortgage for \$16,000 n. m. | 2,000,00 | 00 7 | Jan. and July | New York. | 1891 | ı |
| 1st Mortgage | 2,457,00 | | 7º Apr. and O | The second second | 11 10/3 | 1908 | 1st Mort. (C., C. and C. R. R.). | 3,000,00 | 00 | June & Dec | 2. " | 74- | 9 |
| hicago, Clinton and Dubroue ist Mort, guar, C., B. and C., | 1,000,00 | 1 | 7 Jan. & Ju 8 June & D | | 1887 | 1 | Clev. & Mahoning V. (A.& Gt. W. | 2,478,00 | | Jan. and July June and De | N.Y. or Lon | d. 1911 | |
| 1st Mort. guar. C., E. and Q Thisare, Danville and Vincente 1st Mortgage (Ill. Divy gold | 2,500,00 | | Ang and O | Lalining | . 1900 | | 1st Mortgage, extended | 740,56 56 654,56 | 00 | March & Sep | L " " " | 1876 | 6 |
| as Morigage (Ind. Div.) gold. Chiesgo, Debuque and Minn.: let. Morieage guar. \$25,000 p. n Dhisseo and Jewa.: Jas Morigage for \$5,200,000 | 825,00 | 0 | 5 June & D | ec. Boston. | 1912 | 10 | HUley., Mt. Vernon and Delaware | | 00 | Jan. and July | · " " " | 1890 | |
| Ohienco and lowa; | 2,900,00 | 0 | Jaa. & Ju | ly. N.Y. & Box | | | lat Mort. (Columbus Extension | 1,350,00 950,00 | 00 | March & Sep | | 190 | 2 |

89 2 63

"AMERICAN RAILROAD" BOND LIST.

Asterick (*) affixed to rate of interest signifies "Payable in Coin."

| Description of Bonds. | Amount. | Rate | When. | Where. | Da | Price | Description of Bonds. | Amount. | Rat | When. | Where. | Date | 1 |
|--|-------------------------|------|--|---|--------------|--------|--|---|--------|--|--|-----------------|----|
| eveland and Pittsburg (Pa.Co.): | | 10/ | Banda | | 1010 | To and | Detroit & Bay City (Mich. Cent.): | 2 200 000 | | Wan and Nam | Name Viete | 1902 | |
| Construction and Equip. bonds. th (now 3d) Mortgage guar | 600,000 1,096,000 | 6 | Jan. and July | New York. | 1913 1892 | 104 | Detroit & Bay City (Mich. Cent.): 1st Mort. (\$424,000 guar.) Detroit, Eel River and Illinois: 1st Mortzage for \$22,000 p.m Detroit, Hilladale and Indiana: | 100000000000000000000000000000000000000 | -54 | May and Nov. | | | |
| Consol. sinking fund guar ev., Painesville & Ashtabula: | 1,487,000 | 7 | May & Nov. | " " | 1900 | 110 | 1st Mortgage for \$22,000 p.m | 1,828,000 | | Jan. & July. | New York | 1891 | 1 |
| Regist'd b'ds(ass'd by LS&MS.) | 1,000,000 | 7 | Jan. & July. | New York. | 1880 | 1044 | 18t MOPL #10,000 P. In. KUMP | 1,170,000 | 8 | June & Dec. Jan. & July. | New York | 1890 | 1 |
| d Mortgage (" ") eveland and Toledo: | 1,000,000 | 7 | April & Oct. | * * * · · · · · · · · · · · · · · · · · | 1892 | 108 | 2d Mortgage, (coupon) guar Detroit, Lansing and Lake Mich. | 300,000 | 8 | Jan. & July. | when the body | 1881 | 1 |
| st Mort., s.f.(ass'd by LS&MS.) | 1,595,000 | 7. | Jan. & July. | New York. | 1885 | 1101 | 1st Mortgage | 3,219,000 | 8 | April & Oct. | Boston. | 1896 | 1 |
| ld Mortgage (" ") | 849,000 | 7 | April & Oct | of the barrier | 1886 | 108 | 1st Mortgage (on Branches) 2d Mortgage | 1,359,000 | 8 | June & Dec. Feb. & Aug. | Mann, raidest. H | 1897 1893 | 1 |
| st Mort, guar, by Ph. and Rdg | 584,700 | 6 | June & Dec. | Philadelphia. | 1898 | 50 | 1st Mort. (1onia and Lansing) | 770,000 | 8 | Jan. & July. May & Nov. | New York. | 1889 | 1 |
| st Mortgage. | 225,000 | 8. | June & Dec. | Boston. | 1890 | | 2d Mort. ("") Detroit& Milwankee (Gt. W. of Ca.) | 81,000 | 8 | May & Nov. | a. V. Drines | 1880 | 1 |
| numbus, Unicago & Ind. Cent. | ** CON. 1 | With | Action Courses | | T. | | 1st Mortgage, (D.& M.R.'v) | 2,500,000 | | May & Nov. | New York | 1875 | 1 |
| st Mortgage Consol. skg fund d Mortgage skg fund | 15,344,750 5,582,400 | 7 | April & Oct. Feb. & Aug. | New York. | 1908 | 28 | 1st Funded Coup. (D.& M.R.R. | 1,000,000 | | Jan. & July. | Forms James | 1875 1876 | 1 |
| Income convertible | 3,893 000 | 7 | 4 4 | ee ee | 1890 | | 2d Funded Coup. (" | 370,734 | 7 | May & Nov. | Die Manner . De Die Die Die Die Die Die Die Die Die | 1875 | 3 |
| lst Mort. (Chic. and Gt. Eastern) | 461,000 844,400 | | April & Oct. Jan. & July. | 4 4 | 193-190 | 1 | 1st Mort. (Detr. & Pontiac R.R. 2d Mort. (" | 150,000 | 7 | April & Oct. Jan. & July. | mante mante | 1878 | |
| ist Mort. (Cin. and Chi. Air-L.) | 194,100 | 7 | Feb. & Aug. | 66 66 | 1890 | **** | 2d Mort. (" | 250,000 | 8 | Feb. & Aug. | H STATES | 1846 | ä |
| st M., s.f.(" ") at Mort. (Col. and Ind. Cent.) | 39,650 2,632,000 | 7 | Jan. & July. | 14 14 | 1886 1904 | | Bonds of Sept. 1, 1966 Bonds of June 30, 1866 | 110,000 | | Jan. & July. | al Are model | 1886 | Ħ |
| ad Mort. (" ") | 821,000 | 10 | May & Nov. | 64 66 | 1904 | *** | Detroit, Mon. & Tol. (L.Sh.&M.S) | | P.C. | Distriction is | and the second | 1315 | Ñ |
| let M. (Col. & Ind.) 1st&2d pref. 2d Mortgage (Ind. Central) | 809,500 666,500 | | Jan. & July. | 44 44 | 1883 1882 | | Dixon, Peoria and Hannibal: | 924,000 | 1 | Feb. & Aug. | New York. | 1906 | d |
| ist Mort. (Tol., Logansp't & Bur.) | 554,500 | 7 | Feb. & Aug. | 41 41 | 1884 | **** | 1st Mort., guar. by C., B. and Q Dubuque and Sioux City: | 568,500 | 8 | Jan. & July. | New York. | 1889 | H |
| | 74,024 | 7 | 4 4 | 44 44 | 1905 | | Dubuque and Sioux City: 1st Mortgage tax free | 882,000 | 7 | Jan. & July. | New York. | 1883 | N |
| lst Mort. (Union & Logansport) lumbus, Springfield and Cin.: | 815,000 | 7 | April & Oct. | petral sections | 1900 | | Dubuque Southwestern: | TOTAL SO | 1. | ALL ARTHUR DESIGNATION | OUT IN THE REAL PROPERTY. | | A |
| st M. (assumed by Cin., S. & C.) | 1,000,000 | 7 | March & Sept. | New York. | 1901 | | 1st Mortgage | 450,000 | | Jan. & July. | New York. | 1883 1883 | Ý |
| lumbus and Hocking Valley: st Mortgage skg fund | 1,500,000 | 7 | April & Oct. | New York. | 1897 | | 1st Mortgage, preferred Dunkirk, Allegheny Val. & Pittsb | 10,00 | 117 | ************ | ······································ | 47300 | |
| st M. on Branch(& 2d on main) | 300,000 | 7 | Jan. & July. | 44 44 | 1880 1892 | | 1st Mortgage (gold | . 1,200,000 | 1, | June & Dec. | New York. | 1900 | |
| General Mortgage | 634,000 | | The state of the s | conflicted | | | lst Mortgage Jan. 1, 1868 | . 1,500,000 | 7 | Jan. & July. | New York. | 1908 | 2 |
| st Mortgage, guar by L.M.R.R. | 302,000 | 7 | March & Sept. | New York. | 1890 | | East Alabama and Cincinnati: | 1 3 3 3 3 3 5 4 | 1 | Jan. & July. | | 1890 | |
| nnecticut and Passumpsic Ray.: New Mortgage for \$1,500,000 | 1,850,000 | 7 | April & Oct. | Boston. | 1893 | 101 | 1st Mort, endorsed by Alabama East Brandywine & Wayneshoro | - 200,000 | 13 | 15日里明明7 | (a) (a) (a) (b) (b) (b) (c) (c) (d) (d) (d) (d) (d) (d) (d) (d) (d) (d | 100 | ø |
| Coupon Notes ist Mort (Massawippi) guar. gold | 129,000 | 7 | June & Dec. | 44 | 1881 | 991 | 1st Mortgage guar. by Pa. R.R. Rast Pennsylvania (Ph. & Rdg.) | 140,00 | 0 7 | Jan. & July. | Philadelphia. | 1885 | |
| onnecticut River: | 400,000 | 6. | Jan. & July. | are of agrad | 1889 | 804 | lst Mortgage, guaranteed | 495,90 | 7 | March & Sept | Philadelphia | 1988 | E |
| st Mortgage skg fundnnecticut Valley: | 250,000 | 6 | March & Sept. | Boston. | 1878 | | lst Mortgage, guaranteed East Tennessee, Virginia & Ga.: | 0.000.00 | 1- | Ton & July | ALLEGO DOM | 1900 | ě |
| at Mortgage | 1.000.000 | 7 | Jan. & July. | New York. | 1901 | | I THE WILLIAM SERVICE TOTAL TOT BOUND, OU | (i) whatainn | 0 4 | Jan. & July | 14 2 Sp. 14 O | 182-18 | 87 |
| onnecticut Western: | | | EL MAIN BUT AT | Landa of Line | 100 | 1 | 2d Mortgage Endorsed Bonds (East T. & Va. | 147,00 | 0 6 | May & Nov | 4 4 | 1886 | |
| nnecting (Philadelphia): | 3,000,000 | 7 | Jan. & July. | N. Y. & Bost | 1900 | **** | Endorsed Bonds (East T. & Ga. old | 92,00 | | Jan. and July | 4 4 | 180-1 | |
| st Mort. ABCD&E\$200,000each | 991,000 | 6 | March & Sept. | Philadelphia | 1.234 | 102 | Company Bonds (E.T.&Ga.,old Company Bonds (new Eastern (Mass.): | 135,40 | 0 6 | 4 | 44 44 | 1876 | |
| operstown and Susq. Valley: | 100,000 | , | March & Sept. | New York. | 1889 | | lst Mort. (Essex R.R.) assumed | . 194,40 | 0 6 | March & Sept | Boston. | 1896 | 0 |
| wanesone Valley: | 1 DU. 4 | | Lance Hellands | U.D PA T 1 | 1000 | | Loan of 1867 | | | | TOTAL MENTS | 1887 | |
| ist Mortgage, gold | 95,000 | 7* | Jan. & July. May & Nov. | New York. | 1902 | | Loan of 1868 Loan of 1869 | * ******* | 6 | May & Nov | recalled a b | 1889 | |
| 2d Mortgage | 100,000 | | Land Address | Second A. Lore | Sand 1 | | I I en vear coupon notes | | 1 2 | | STATE OF THE PROPERTY | 1882 | |
| lst Mortgage | 803,500 | | March & Sept. | New York. | 1891 1888 | | Ten year coupon notes | | . 7 | May & Nov | and company | '83-'8 1884 | |
| ist Mortgage | 648,000 | 0 | May & Nov. | The section of | A ret | **** | Sterling Sink. Fd. Bonds Certif. of Indebt. Sept. 1, 1876 | 3,049,20 | | March & Sept | London. | 1893 | 3 |
| lst Mortgage | 161,000 | 8 | April & Ook | Philadelphia | 1904 | | Certif. of Indebt. Sept. 1, 1876. Eastern Shore (Md.): | . 11,796,00 | 0 34 | i de de de de la constante de | Boston. | 1906 | 1 |
| 2d Mortgage Plain bonds | 109,500 81,800 | 6 | 4 4 | | 1884 | | 1st Mortgage | 400,00 | 0 6 | Jan. & July April & Oct | Philadelphia | 1880 | |
| anoury and Norwalk. | | | Ton & Tulu | Wass Wash | COULT | | 21 MOFURAGE | 200,00 | 0 6 | April & Oct | With the second | 1886 | • |
| Mortgage Bonds of 1860 Mortgage Bonds of 1870 | 200,000 | | | New York. | 1880 1890 | | Glizabethtown and Paducah: 1st Mortgage, convertible | 3,000,00 | 0 8 | March & Sept | New York. | 1890 | 1 |
| Mortgage Bonds of 1872 anv., Hazleton & Wilkesbarre: | 200,000 | | 4 4 | 44 | 1892 | | 1st Mortgage, convertible Elmira and Williamsport(N.Cen. |): 1 000 00 | | PERCHANCE | THE PERSON NAMED IN | 1880 | |
| anv., Hazleton & Wilkesbarre: | 1,400,000 | 7 | April & Oct. | Philadelphia | 1887 | 40 | Income Mortgage guaranteed | 570,00 | | | . I dinderphi | 2862 | ø |
| 2d Mortgage | 300,000 | | | 1000 | 1885 | | Erie Kailway: | | 11 125 | | | 1900 | di |
| 2d Mortgage anv., Urb., Bloom'gton & Pekin: 1st Mortgage | 2,000,000 | 71 | April & Oct | New York | 1909 | 1 | 1st Mortgage, extended 2d Mortgage | 2,174.00 | 0 7 | May & Nov March & Sept | Hew Tork | 1879 | 9 |
| avenport and St. Paul: | T HEAVE | 180 | Control Charles | Versiella Jao | 11 3.46 | 1 | 3d Mortgage | 4,852,00 | 00 7 | The state of the s | A STATE STATE OF | 1883 | 8 |
| lst Mort. gold skg fd \$20,000 p.m. syton and Michigan (C.H. & D.): | 3,000,000 | 7 | April & Oct | New York. | 1911 | | 4th Mortgage convertible | 4,937.00 | 0 7 | June and Dec | M. 0262R0 | 1880 1888 | 8 |
| lst Mortgage sinking fund oner. | 1.846.000 | | Jan. & July. | New York. | 1981 | | 5th Mortgage convertible Buffalo Branch, 1st mortgage, | 182,60 | 10 7 | Ton Ar Tonly | CONTRACT PROPERTY | 1891 | 1 |
| 2d Mortgage, gnar | 426,000 | 7 | March & Sept | Store of Aug Tao | 1884 1888 | | | 0, 12,076.00 | 0 7 | March & Sep | NY& London | 1876 n. 1920 | |
| 8d Mortgage, guar Toledo Depot bonda guar | 105,600 | 7 | April & Oct March & Sept | - 4 | '86-'9 | 4 | 20 Consol Mort. for \$40,000,00 | 14,400,00 | 0 7 | June and Dec | London. | 1894 | 4 |
| ayton and Union : 1st Mortgage, registered | | | 13 1VII | PILA PRESIDE | 1879 | 1 | Erie and Pitteburg (Penn.): | . 10,000,00 | 7 | J. A. J. and | London. | 1908 | 11 |
| 2d Mortgage Income Bonds | 135,000 252,44 | 7 | June & Dec | | 1879 | | 1st Mortgage | 292,20 | | Jan. & July | New York | 1882 | |
| Income Bonds | 252,44 | 6 | man A | 17 20 20 | 1879 | | 2d Mortgage | 2,192,00 | 00 7 | Jan. & July | POPER DOME | 1890 | á |
| 1st Mortgage (assumed) | 142,000 | 7 | March & Sept | New York. | 1881 1905 | | | 750,00 | νõ. | | too intelling | 1890 | |
| lst Mortgage (assumed)lst Mortgage (")ecatur, Sullivan and Mattoon: | 495,00 | 64 | Jan. & July | THE RESIDENCE | 1906 | | Bangor City Bonds (lat m 55 | 1.000.0 | 200 | Jan. & July | N.Y. Allen | d. 1894 | |
| 1st Mortgage | 500,00 | 0 8 | March & Sept | New York | 1901 | | 1st L.M.(& 1st on 50, &2d on 55r | 2,000,0 | 00 6 | * March & Sep | E creation and | 1800 | õ |
| lst Mortgageelaware and Bound Brook: | 1 000 00 | 200 | and the second | 10/ 200 100 | Most | 1 | New Mortgage for \$6,000,000 | ******* | | | | | |
| lst mortgageelaware (P. W. and Balt.): | 1,200,00 | 7 | Feb. & Aug | Philadelphia | 1905 | 99 | | | 00 | Jan. & July | y. New York | | |
| 1st Mortgage, guar | 550.00 | 0 6 | Jan. & July | . Philadelphia | a. 1895 | | 1st Mortgage (109 m.) | 636,0 | 00 ' | May & No. | 4.25.4 | 1887 | |
| lst Mortgage extension Delaware State Loan eiaware, Lackawan. & Western | 170,00 | 0 6 | | at . | 1880 1876 | | Evansville, Terre Haute & Chi. | 141,0 | 3.16 | Tracket de la Co | THE RESIDENCE | 4 75% | 5, |
| elaware, Lackawan. & Western | 1 4000 | 300 | Man 2 0 0 | N | Ed lat | | 1st Mortgage, gold | 775,0 | 00 | May & No | v. New York | 1900 | 9 |
| Convertible Bonds | 1,633,00 | 0 7 | | New York | 1892 | 107 | 1st Mortgage, gold | 200,0 | 00 | Jan, & Jul | y. Providence | 1885 | 2 |
| 2d Mort. (Lack. & Bloomsburg 1st M. Ext.(" " | 216,20 | 0 7 | | " " | 1880 | | Fitchburg: | - | | 1 15 34 . E.o. HORD | 21 CTU NO DESIGNA | 230 | 9ž |
| benver & Boulder Val. (Den. Pac) | 0.5069 | 0 7 | March & Sept | 6) " may 18 | 1885 | | | | 00 | April & Oc | t. Boston. | 1894 | 6 |
| 1st Mortgage | 550,00 | 0 7 | May & Nor | Kansas Cit | y. 1900 | | . I tak Mant Tand Ca 19d souton | 2,210,0 | 00 | March & Sep | t. New York | | |
| let Mortgage gold land grant | 249200 | 200 | * May & No | A 3. 17 . 18 . P. | 14.000 | | let Mort (Bay C. & B. leg by | AZ5,0 | 00 1 | Jan & Jul | Newark. | 1888 | |
| Denver & Rio Grande(3 ft.gauge) | 11 11 10 10 | 100 | Windows R7 | Strange Lines in | ALL CALL | | Bay County Bonds (guar.) | 75,0 | 00 1 | March & Sep | L New York | 1887 | 7 |
| lat Mortgage gold, land grant Denver & Rio Grande(3 ft.gauge) lat Mort. gold, skg fund tax free Des Moines and Ft. Dodge: | 8,024,60 | 0 | 7 May & No | N.Y.L.&An | a. 1900 | 30 | Filit & Holly S. F. (225,000 p., 1st Mort. (Bay C. & L. Jag.)gu Bay County Bonds (guar.). Ist Mort. skg.fd. H., W.& Mor Consolidated Sinking Fund Construction Load | 1,771 0 | 00 | May & No | appeal appear | | |
| let Mortgage (et won) | 2,400,04 | 0 | Jan. & July | New York | . 1904 | | Construction Long. | 280,4 | 00 | Jan. & Jul | 19.11 Pulling | | |

TRAMERICAN RAILROAD JOURNAL.

AMERICAN RAILROAD BOND LIST.

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

| Description of Bonds. | Amount | ate | Anteres | t Payable. | Dae | rio | Description of Bonds. | Amount. | ate | | Payable. | 8 |
|--|----------------------|------|--|---|--------------|-------|---|----------------------|-----|-------------------------|--------------------------|--------------|
| The state of the s | | M | When. | Where. | A | A | and Jon work with his nat | T-000.7 | R | When. | Where. | Due. |
| Florida : | 1 | 10,3 | ++=+10120 000 | a a tot spanied | 711 | | Huntingdon and Broad Top Mt.: | T #800.7 | 1.1 | | ent untidette des | 110 |
| | 2,300,000 | 7* | Jan. & Jul | N. Y. & Lond | 1889 | | 1st Mortgage gold | 416,000 | 7* | April & Oct. | Philadelphia. | |
| Flushing, North Shore and Cent. | 900,000 | 2 | Man & No | Word Vonle | 1000 | 180 | 2d Mortgage Consolidated Mortgage | 267,500 | 2.7 | Feb. & Aug. | 4 | 1895 |
| 1st Mort. (Flush'g and N. Side.) | \$00,000 400,000 | | May & No | v. New York. | 1889 | | Illinois Central: | 1,000,000 | | April & Oct. | wis'll been lung | 1895 |
| 1st Mort. (Central of L. L) | 1,000,000 | | Mar. & Ser | L - a - a | 1902 | | Redemption bonds, currency | 2,500,000 | 6 | April & Oct. | New York. | 1890 |
| lat Mort. (Cent. R. R. Exten.). | 200,000 | 7 | May and No | v. 4 4 | 1903 | | General Mortgage for \$15,000,000 | 2,500,000 | | 4 4 | London. | 1895 |
| lst Mort. (North Shore) | 93,000 | 7 | Jan. & Jul | | 1885 | 110 | Sterling Bonds, Sinking Fund Illinois Grand Trunk (C.,B. & Q.): | 4,598,006 | 5* | State Same of the | ed same stariff | 1908 |
| 1st Mort. (N. Y. & Flushing.) | | | Mar. & bej | | 1880 | | 1st Morigage, guaranteed | 900,500 | 8 | April & Oct. | Boston. | 1890 |
| Fonda, Johnsto'n & Gloversville: | T (000 f) | 54.0 | 200 18 3 | (B. AT) man to d | r ser | 1 | Indiana and Illinois Central: | C. R. 100001 | 150 | Carrie Con Contractor | 1111100000000 | 191 |
| ist Mortgage | 800,000 | 3 | Jan. & Jul | y. New York. | 1890 | **** | 1st Mortgage gold | 8,000,000 | 1 | Jan. & July. | New York. | 1901 |
| 1st Mortgage, traffic guarantee | 1,500,000 | 8 | Jan. & Jul | y. New York. | 1889 | | 1st Mort.(Nor.Div.) \$22,000 p.m. | 1,700,000 | 7* | March & Sept. | New York. | 1903 |
| 2d Mortgage (Equipment) | 500,000 | | April & O | | 1881 | | Indianapolis, Blooming. & West.: | A 1850 C | | Service Control | 0711 HILVINGS 900 | 9111 |
| Fort Wayne, Muncie & Cin, : | 1,800,000 | 70 | April & O | t. Boston. | 1000 | 1 | 1st Mortgage gold | 5,000,000 | 78 | Jan. & July. | New York. | 1909 |
| 1st Mortgage | 500,000 | | April & O | L DOBLOIL | 1899 1896 | | 2d Mortgage | 1,500,000 | 8 | 6 6 6 | | 1890 |
| Framingham and Lowell: | TABLETTE S | a r | | J. John St. to al | -0 | 1 | Indianapolis and Madison: | J. 1050'A | | | March | 101 |
| 1st Mortgage | 500,000 100 000 | | April & O | Boston. | 1890 | 89 | 1st Mort. assumed by J.,M. &I. Indianapolis & Vincennes: | 397,000 | 4 | May & Nov. | New York. | 1881 |
| Frederick and Pennsylvania Line: | 100 000 | 8 | 1850 mm | A sead temptroli | 1000 | 1 00 | 1st Mortgage guar, by Pa. R. R. | 1,700,000 | 7 | Feb. & Aug. | New York. | 1908 |
| Ist Mortgage gold | 180,000 | 6* | April & O | t. Baltimore. | 1901 | | 2d Mortgage guar. by Pa. R. R International and Gt. Northern: | 1,450,000 | 6 | May & Nov. | | 1900 |
| Fremont, Wikhorn & Mo.(8C&P): | 800 000 | | Andl 6 0 | Do and elegan | 1 | 1 | International and Gt. Northern: | 3,040,000 | 78 | Amell & Oat | Man Voule | 1011 |
| lst Morigage | 690,000 | 1 | April & O | t | . 1901 | | 1st Mortgage s.f. (Intern. R. R.) Convertible B'ds(" | | | Feb. & Aug. | New York. | 1911 1892 |
| lat Mortgage | 1,692,000 | 7 | Feb. & At | g. New York. | 1882 | 107 | 1st Mortgage(Hous.&Gt.N.RR.) Convert.B'ds("" | 4,211,000 | | Jan. & July. | 44 | 1900 |
| lat Mortgage | T Own H | 1 | No. | ************************************** | 1 | 1 | Convert.B'ds(" ") | 1,677,000 | 8 | Feb. & Aug. | # | 1892 |
| lst Mortgage | 1,700,000 | 6. | Feb. & At | g. Lond. or Bost | 1910 | | Indianapolis, Cin. and Lafayette: 1st Mortgage of 1867 | 2,800,000 | 7 | Feb. & Aug. | New York. | 1897 |
| 1st Mortgage | 1,493,000 | 7* | Jan. & Ju | y. New York. | 1890 | 824 | 1st Mortgage of 1869 | 2,000,000 | 7 | June & Dec. | THE PERSON NAMED IN | 1899 |
| 1st Mortgage | T 00000 | 15 7 | 2000 | therefore bearing to | f tot | | Funded Interest Bonds, coupon. | 469,100 | 7 | March & Sept. | 4 4 | 178-1 |
| 1st Mortgage, skg. fd., guar | 600,000 | 7* | Jan. and Ju | y. New York. | 1890 | | Equipment Bonds, registered 1st Mort. (Ind'polis & Cin.) 1858. | 375,000 1,600 000 | | April & Oct | 4 4 | 1883 |
| Company bonds (debentures) | 530,000 | 7 | Jan. & Ju | y. Augusta | 75-19 | 0 | 1st Mort. (Cin. & Indiana) | 499,000 | | June & Dec. | | 1892 |
| Himan, Clinton & Springfield : | E (000 b) | 1 | 1 - 91 At Ar L . | of warms towns to 1 | 1 107 | 1 - | 1st Mort. (Cin. & Indiana) 2d Mort. (" ")guar. | 1,497,000 | | Jan. & July. | | 777- |
| 1st Mortgage gold | 2,000,000 | 7* | March & Se | L. N.Y. & Lond | | **** | Indianapolis and St. Louis: | 40 100 | 7 | Jon & Toler | New York. | 1919 |
| 2d Mortgage gold | 1,000,000 | 0 | Jan. & Ju | uning production | 1892 | | 1st Mortgage | 2,000,000 | | March & Sept. | | 1919 |
| 1st Mortgage | 246,500 | 7 | Jan. & Ju | y. New York. | 1888 | | 1st Mortgage | a lepost | -7 | April & Oct | 4 4 | 1919 |
| rand Rapids & Indiana: | | 18 | Complement of the | and the state of the state of | 14 1.0 | OF. | 2d Mortgage | 1,000,000 | | To de Train | 44 44 | 1900 |
| 1st Mortgage L. G. guar. gold | 3,224,000 | 74 | Jan, & Ju April & O | y. New York. | 1899 1899 | 85 | Ionia and Lansing (D.,L.&L.M.) | 378,000 | 16 | Jan. & July. | 77 | 1881 |
| rand River Valley (Mich. C.). | 0,225,000 | | HARRIOGI H | HEAT A CHIEF OF DOUGS | 1000 | | 1st Mortgage traffic guar | 770,000 | 8 | Jan. & July. | New York. | 1890 |
| 1st Mort., assumed by Lessees. | 1,000,000 | | Jan. & Ju | y. New York. | 1886 | 94 | 2d Mortgage " | 81,000 | 8 | May & Nov. | | 1886 |
| 2d Mortgage, guar. by Lessees | 500,000 | 8 | March & Se | E " | 1879 | 85 | Iowa Falls and Sioux City . 1st Mortgage | 2,960,000 | 7 | April & Oct. | New York. | 1917 |
| Equipment Bonds £500,000 | 2,500,000 | 6* | April & O | London. | 1877 | | Iowa Midland (C. & N. W.): | 2,000,000 | J. | Inpite to Oce | Proceedings and | |
| Equipm't Bonds No. 2 £500,000 | 2,500,000 | 6* | April & O Jan. & Ju | y. " | 1920 | | 1st Mort., \$18,000 p.m., guar | 1,350,000 | 8 | April & Oct. | New York. | 1900 |
| Postal & Military b'ds £1,200,000 | 6,000,000 | 6* | Jan. & Ju | g. " | Perp. | | Ironton (Penna.) | 100,000 | 7 | May & Nov | Philadelphia. | 1875 |
| 2d Preference Bonds £3,218,149 2d Preference Bonds £2,327.808 | 11.639.040 | 4* | SWIF OF SIT | To bodies mad | Irred. | | Ithaca and Athens (Penn.): | 100,000 | 1 | may at Nov | L Hunderpina | 10.0 |
| 3d Preference Bonds £7,163,910 | 35,819,550 | 4. | -84 | | és | | 1st Mortgage gold, skg fund | 600,000 | 7 | Jan. & July | New York. | 1890 |
| Provincial Debentu's £3,111,500 Froat Western of Canada | 15,557,500 | *** | *********** | Ottawa. | | | Jackson, Lansing & Saginaw(MC): | 1,317,000 | 8 | Ton & Tulu | New York. | 1885 |
| Mortgage Bonds £127,000 | 635,000 | 6 | Jan. & Ju | y. London. | 1876 | | 1st Mortgage guar | 810,000 | 8 | May & Nov | 66 64 | 1890 |
| Mortgage Bonds £547,000 | 2,735,000 | 254 | April & O | E. 11 | 177-171 | | 2d Mortgage guar | 158,000 | 8 | March & Sept | A COUNTY OF | 1878 |
| New Bonds £1 000,000 | 5,000,000 | 6 | June & De | C. | 1890 | | Consolidated Mortgage (236 m.) | 1,968,000 | 8 | | | 1891 |
| Debenture Bonds £1,743,160 | 8,715,900 | | Jan. & Ju | Aur manit | Perp. | | Jacksonville, North West & S. East: 1st Mortgage | 610,000 | 70 | Jan. & July | New York. | 1902 |
| Ist Mort., ass'd by T., W. & W. | 2,500,000 | | Feb. & A | g. New York. | 1888 | 106 | Jacksonville, Pensac, and Mobile : | V 1040, | 1 | | game Fonds of | 10.16 |
| 2d Mort., " | 2,500,000 | 7 | May & No | V. 4 4 | 1893 | 654 | 1st Mortgage | 472,000 | | Jan. & July | New York. | 1880 |
| reen Bay and Minnesota: | 2 400 000 | 70 | Feb. & At | grangers M. on | . 1900 | 00 | Jamest'n & Frank. (L.S.& M.So.) | 3,000,000 | 0 | WOLINOWSKI | to an increase in | 1088 |
| Freenville and Columbia: | 2,200,000 | | 200, 40 24 | g | - 1000 | **** | 1st Mortgage guaranteed | 433,000 | 7 | Jan. & July | New York. | 1897 |
| 1st Mortgage guar, by S. Car | 1,426,546 | 7 | Jan. & Ju | y. Columbia. | | 6 | 2d Mortgage guaranteed Jefferson (Erle): | \$00,000 | 7 | June & Dec | Che, Modul | 1894 |
| 1st Mortgage not guaranteed Freenwich and Johnsonville: | 376,766 | 1 | | | 181-18 | 6 | Jefferson (Erie): | 204,000 | 7 | Jan. & July | New York | 1887 |
| let Mortgage | 185,000 | 7 | May & No | v. New York. | 1889 | .444 | lst Mort. (Hawley Section) 2d Mort. (Larbendale Section) | 84,000 | 7 | 44 44 | THE PROPERTY | 1889 |
| and a concert Towns and I mound . | 0.00 | Gr. | The state of the s | io Huspath Jet s | | 1 | 1st Mort. (Carbondale Section) | 2,000,000 | 7 | H 6 H | Hall Hall | 1899 |
| Ist Mortgage (Construction) Iannibal and Naples(T. W.& W.): | 1,355,000 | 7* | Jan. & Ju | у | . 1902 | | Jeffersonville, Madison & Indian. | 2,474,000 | | April & Oct | New York. | 1906 |
| Tat Mortgage | 875,000 | 7 | May & No | v. New York. | 1898 | 33 | 2d Mortgage consol | 2,000,000 | | April & Oot Jan. & July | 71.46 | 1910 |
| 2d Mortgage Iannibal & Cent. Mo.(T.W.&W) | 225,000 | | Jan. & Ju | y. 41 41 | 1890 | | 11 1st Mortgage (Ind & Mad.)guar. | | | May & Nov | most accept the | 1881 |
| lannibal & Cent. Mo.(T.W.&W) | 1 000 000 | 2 | May & No | Wan Wald | 1900 | 80 | Jersey City and Albany: 1st Mortgage | | 64 | Jan. & July | New York. | 1915 |
| 2d Mortgage | 1,000,000 250,000 | | " a No | v. New York. | 1890 1892 | 75 | 1st Mortgage (Ridgefield Park). | 300,000 | 7 | May & Nov | | 1912 |
| 2d Mortgage. Iannibal and St. Joseph: | T 050 T | or o | | control Section | - 10 | | Johet and Chicago (C. & Alton): | 8 .662 | 13. | Teroniana and | the Bornds | Inco |
| | 1,500,000 | | Jan. & Ju | y. New York. | 177-19 | 4 105 | 1st Mortgage (Ridgefield Park). Joliet and Chicago (C. & Alton): 1st Mortgage skg fund guar Junction, Philadelphia: | 336,000 | 8 | Jan. & July | New York. | 1882 |
| Fifteen years' bonds (277 m.) | 1,500,000 | 8 | March & Se | ma . r. san | 1885 | 8 105 | 1st Mortgage, guaranteed | 500,000 | 6 | Jan. & July. | Philadelphia | 1882 |
| Missouri State Loan. Fifteen years' bonds (277 m.) 1st Mort. (Q. & Paim.R. R., 16 m.) 1st Mort. (K. City& Cam. R R55 m.) General Land Mortgage (277 m.) | \$00,000 | 8 | Feb. & At | g. 41 4 | 1892 | | 2d Mortgage not guaranteed Junction and Breakwater: | 300,000 | | April & Oct | | 1900 |
| Ist Mort (K. City & Cam. RR55m) | 1,200,000 | 10 | Jan. & Ju | y. " " | 1886 | 90 | Junction and Breakwater: | 950.000 | 1/2 | Ton A Yes | New York. | 1900 |
| General Land Mortgage (277 m.) | 642,000 | 1 | April & O | rand fine old | 1888 | 106 | 1st Mort. guar. by Delaware | 352,000 | | Jan. & July. | 200 2012 | 2090 |
| lat Mostgage | 4,000,000 | 7 | Jan. & Ju | y. New York. | 1890 | | Kalamazoo, Allegan& Gr. Rapids 1st Mort. assumed by LS&MSo. Kalamazoo and Schoolcraft: | 840,000 | 8 | Jan. & July. | New York. | 1888 |
| lat Mostgage | E BOWLE | i. | Line artes | aller Sun Stanford | tar to | | Kalamazoo and Schoolcraft: | 8 000, | 69 | b | fortgage, gunt. | 1000 |
| Ist Mortgage, guar, by Pa. R.R | 700,000 | | Jan. & Ju | y. Philadelphia | 1883 | 105 | 1st Mort, assumed by L.S.& M.S. | 100,000 | 8 | Jan. & July. | New York. | 1887 |
| Ist Mort. (R. I. 26.32 m. skg frand | 481,000 | 7 | Jan. & Ju | y. Providence. | 1876 | | Kalamazoo, & S Haven (M.Cen.): | 710,000 | 8 | May & Nov. | New York. | 1889 |
| lat Mort. (Conn. 96.04 m.) akg f'd. | 1,574,500 | | - NO. 10 | Hartford. | 1876 | **** | 2d Mortgage " | 70,000 | 8 | 444. | W | 1889 |
| Ist Mort. (R. I. 26.32 m.)skg fund ist Mort. (Conn. 96.94 m.)skg f'd. ielly, Wayne & Monroc(f & PM): lat Mortgage guor., tax free lolyoke and Westfield: | | | | | 18.40 | 650 | 1st Mortgage guar, by lessees 2d Mortgage "Kalamazoo & White Pigeon: 1st Mort, assumed by L.S.& M.S. | 200.000 | 100 | Toni By Total | New York. | 11900 |
| Tolvoke and West field | 1,000,000 | 8 | Jan. & Ju | y. New York. | 1901 | | | | 17 | Jan. & July. | THEW TOTAL | 1350 |
| lat Mortgage | 200,000 | 7 | April & O | t. Boston. | 1891 | | 1st Mort, ass'd by Han, & St. Jo. | 1,200,000 | 10 | Jan. & July. | New York. | 1886 |
| | | | | | | | Kan. City, St. Jo. & Coun. Bluffs : | 1 T 000 | 15 | A charge of the | dorten en en en en en en | 1000 |
| ad Mortgage. | 100,000 | 1 | Feb. & At | g. New York | 1885 | | lst Mort., ass'd by Han. & St.Jo. Kan. City, St. Jo. & Coun. Bluffs: 1st Mort. (C. B. & St. Jo. 52 m.). 2d Mort. ("""). | 500,000 150,000 | | Jan. and July. | N. Y. & Bost. | 1880 |
| Equipment Bonds | 300,000 | 7 | April & O | g. New York st. Brpt. & Bos Bridgeport. | 1883 | | 1st Mort. (St. Jo. & CB.78 m)conv. | 1,400,000 | 10 | March & Sept. | millio cilleto n | 1992 |
| at Mortgage. 3d Mortgage. 3d Mortgage of 1968. Equipment Bonds. flouston and Texas Central: 1st Mortgage L.G. skg fund gold. Ist Mortgage (Western Div.). Consolidated Mortgage. udson R ver (N.Y.Con.& H.R.): Mortgage analyse fund. | | | | or steady function | | 105 | 1st Mort. (Mo. Valley 180 m.y | 1.500,000 | 7 | Feb. & Aug. | New York. | 1893 |
| Lat Mortgage L.G. skg fund, rold. | 7,479,000 | 7" | | y. New York. | 1881 | | lat Mort. (4 1)gld Consolidated Mort. (260m.)conv. | | 7 | March & Sent | "LA DUE SQUE | 1898 |
| | 2,500,000 | 17* | | | 1503 | | New Consol. Mort. for \$8,000,000 Kansas City & Santa Fe (LL&G) | 607,000 | 100 | March & Sept. | diameter vibration | |
| Consolidated Mortgage | 9,700,000 | | April & O | 4. 46 44 | 1912 | | New Consol Mort for an one age | 044 Mm | 1 × | Feb. & Aug. | Boston. | |

An Asterick (*) fixed to rate of interest signifies "Payable in Coln."

| Description of Bonds. | Amount. | ate. | | Payable. | ne. | Hoe | Description of Bonds. | Amount. | ate | Interest 1 | 1071 1071 110 | Date of | 1 |
|---|----------------------|------|----------------------------|-----------------------------------|-----------------|--------|---|--------------------------|-------|--|--|---------------------|----|
| | | M. | When. | Where. | A | P4. | *** | | B | When. | Where. | - | F |
| neas Pacific: | | 100 | 1000 | N | 1005 | nI. | Bonds to State of Kentucky | 74,519 | | Jan. & July. | New York. | Perp. | |
| st Mort. (1st Div. 140 m.) gold st Mort. (2d Div. 253.94 m.)gold | 4.063 000 | 8. | Inna & Dog | N.Y. & St. Lo. | 1808 | 64 | 1st Mortgage for Cincinnati Br | 3,000,000 | 7 | 4 4 | | TOAL | 47 |
| t M.(3dD.244.66m.& 3,000,000a) | 6,411,000 | 7.4 | May & Nov. | N. Y. L. & F. | 1899 | **** | 2d Mortgage for \$1,000,000 Louisville Loan | 878,000 | | April & Oct. Jan. & July. | | 1900 1881 | |
| st Mort. (1,000,000 acres) st Mort. (2,000,000 acres)gold | 187,000 1,722,250 | 7* | Jan. & July | N. Y. & St. Lo. N. Y., L. & F. | 1880 | **** | 1st Mort. (Louisville & Frankf't) | 100,000 | | 4 | 4 4 | '73-'78 | 8 |
| Turone (")Kord | 1 500,000 | 7* | March & Sept. | " | 1856 | **** | 1st Mort. (Louis., Cin. and Lex.) | 21,000 | 8 | April & Oct. | | 1902 1881 | |
| Mort. (Leavenworth Branch) | 6,303,000 | 6 | May & Nov | N. Y. &St. Lo. U. S. Treas. | 1896 | **** | lst Mortgage (Shelby R. R.) Louisville and Nashville: | 88,500 | 0 | June & Dec. | Kingelelfin stell | 1001 | 1 |
| Mortgage (Gov't Subsidy) Mortgage (Income) | 4,275,350 | 7 | March & Sept | N. Y., L. & F. | 1916 | **** | Ten Year Mortgage Gold bonds | | | May & Nov. | New York. | 1883 | 1 |
| at County (Del.) | 0.12 10 | 0.00 | 0020.1 | for 40 such party and | Jana | 11 | Mort main office lot & building | 80,000 | | | Louisville. | 1888 | d |
| t Mortgage for \$600,000 | 400,000 | 6 | Jan. & July | Philadelphia. | 1880 | **** | 1st Mort. (Leb. Br. Ext. 73.2m.). 1st Mort. (Memphis and Ohio) | 8,500,000 | | June & Dec. | New York. | 1901 | 1 |
| Mort.(Cov'gton & Lexington) | 844,000 | 7 | March & Sept | New York. | 1883 | | 1st Mort. (Memp. & Clarksv. Br.) | 2,869,710 | 0 6 | | T and the | 1902 | 4 |
| Mortgage | 237,000 | | June & Dec. | | 1885 | **** | Consol.M.for \$8,000,000(392 m.). | 7,109,000 | 7 | April & Oct. | Dar Carl | 1898 | 7 |
| kuk and Des Moines : | 1,947,000 | 7 | April & Oct | New York. | 1904 | | Louisville Loan (Lebanon Br.). | | | May & Nov. | e tile i Goregovi | 1886 | ā |
| t Mortgage | 254,300 | | 4 4 | 4 4 | 1884 | | Louisv. Loan (Leb. Br. Exten.) | 333,00 | 9 | April & Oct. | Louisville. | 1893 | |
| kuk and St. Paul (C.B.& Q.): | 919 000 | | Anall & Oat | Poston | 1879 | 1014 | Louisv., N. Al. & St. Lo. Air-Line | 2,875,000 | 7 | Jan. & July. | New York | 1892 | |
| Mortgage traffic guar rosse, Trempeleau & Prescott: | 318,000 | 0 | April & Oct | Boston, | 1019 | | 1st Mortgage gold, \$25,000 p. m Macon and Augusta : | 10.000 | 10 | CUTTON DESCRIPTION | (1000 F2 32 000013) | E RECORD | ă |
| Mort. assumed by C. & N.W. | 1,000,000 | 10 | April & Oct | New York. | 1877 | **** | 1st Mortgage end by Ga. R. R. | 300,00 | | Jan. & July. | New York. | 1877 | S. |
| Blooming. & Miss.(TW&W): | 1.000.000 | 74 | Feb. & Aug | New York. | 1891 | 70 | lst Mortgage not endorsed Construct.Mort. end. by Ga.RR | 100,00 | 0 7 | | M. Marchael Mills | 1879 | |
| Mortgage gold guar Muncie & Bloom.(TW &W): | 1,300,000 | | Peo. a. Aug | New LOIL. | Tool | 116 | Macon and Brunswick. | Lough | 10 | ACCOUNT OF THE PARTY | PERMIT | 23511135 2550-34 | ä |
| Mortgage gold guar e Erie and Louisville : | 1,500,000 | 7* | Feb. & Aug | New York. | 1901 | 40 | 1st Mort. endorsed by Ga | | | May & Nov. | New York. | 1887 | ä |
| e Erie and Louisville: | 1 000 000 | 7 | Amell & Oct | New York | 1892 | | 1st Mort, 16 66 2d Mortgage, | 1,100,00 | | April & Oct. | 4 1440 | 1889 | ē |
| Mortgage | 1.092,000 590,000 | | Jan. & July | | 1903 | | Lequipment Mortgage | 150,00 | 0 7 | | 44 | 1879 | ä |
| e Ontario Shore : | | | The state of | The second of | olso 7 | 100 | Madison and Portage: | 20.000 | 0 0 | April & Oct. | New York. | 1890 | j |
| t Mortgage (\$20,000 pr. m.) e Shore & Michigan South'n. | 1,438,200 | 7 | Jan. & July | New York. | 1897 | **** | 1st Mort., guar. by Chi. and Sup Maine Central: | 600,00 | " | Lapin & Oct. | A harmonitation | D0029-01 | |
| nking Fund Mortgage | 1,146,000 | 7 | April & Oct | New York. | 1879 | | Consolidated Mortgage | 1,680,50 | | April & Oct. | Boston. | 1912 | |
| nsol. Mort., S.F., Regist'd) | 6,680,000 | 7 | J. A. J. & O | | 1900 | 106 | \$1,100,000 Loan, tax free | 756,80 496,50 | 0 6 | Jan. & July. | 45 00330 | 1898 | |
| nking Fund Mortgage onsol. Mort., S.F., Regist'd) onsol. Mort., S.F., Coupon Consol. Mert. for \$25,000,000. | 9,105,000 | | Jan. & July June & Dec | | 1900 | 107 | Extension (gold) Loan | 150 00 | 0 3 | April & Oct. | Belfast & Bost | 1890 | |
| onds of 1852 (Reg. & Coupon) | 3,396,000 | | April & Oc | | 1882 | | \$1,100,000 (A. & Ken.) Loan | 1.100,00 | 0 6 | Jan. and July. | Boston. | ,80-,8 | |
| ke Shore Dividend Bonds | 1,442,000 | 7 | 44 44 | 46 46 | 1899 | 107 | ist Mortgage (Portland & Ken. Consol. (Port. & Kennebec.) Loa | 217,30 | 0 6 | April & Oct. | Augusta. Boston. | 1885 | |
| eg. Mort. (Clev., Pain. & Ash.) | 1,000,000 | | Jan. & July April & Oc | | 1880 | | 2d Mort. (Somerset & Kennebec | 1,166,70 260,00 | 0 6 | June & Dec. | Harris Harrey . | 1876 | ı |
| Mort. (Mich. So. & Nor. Ind.) | | | May & No | 7 46 45 | 1885 | | lst Mort. (Leeds & Farm'gton) | 633,00 | 0 0 | Jan. & July. | 7000 (200) .720 | 1901 | |
| Mort. (" " | 2,682,800 | 7 | 4 4 | | 1877 | **** | Bath (Androscoggin) Loan | 425,00 | 0 6 | 1000 | iso migratic but | 1891 | A |
| Mort. (Cleveland & Toledo) Mort. (" | 1,595,000 849,000 | | Jan. & July April & Oct | 64 64 | 1885 1886 | **** | Mansfield & Framing. (B.C.&F.) 1st Mortgage, guaranteed | 300,00 | 0 7 | Jan. & July. | Boston. | 1880 | ŕ |
| ort. Bonds (Buffalo and Erie) | | | Jan. & July | . 44 44 | 1882 | | Marietta and Cincinnati: | 10-16 | - 10 | A ALS ! | COO SERVICE | 11252 | |
| ort. Bonds (" " | 300,000 | 7 | March & Sep | t. " " | 1886 | | 1st Mortgage, Sterling | 2,450,00 | | Feb. & Aug. | London. Baltimore. | 1891 | Ñ |
| ort. Bonds (" " Toledo | 2,850,000 924,000 | | Feb. & Au | 54 | 1898 1906 | | 2d Mortgage Dollar | 2,500 00 | | May & Nov. | | 1896 | |
| t M. (Kalam: & White Pigeon) | 400,000 | | Jan. & July | de et | 189€ | | 3d Mortgage Dollar | a 3,000,00 | 10 8 | Jan. & July. | Of) = 140,4 34,74,685 | 1900 | |
| t M. (School, & Three Rivers) | 100,000 | | 4 4 | 66 66 | 1887 | | 4th Mortgage | 2,004,00 | 00 8 | May & Nov | | 1908 1888 | |
| t M. (Kalamaz. & Schooleraft t M. (Kal., Allegan & Gr. Rap. | 100,000 | | | | 1887 1888 | | Marietta, Pittsburg & Cleveland | 1 | ~ | may a not | Alphibat Gas s | 9030 | |
| t M. (Jamestown & Franklin | 433,000 | | 4 4 | 4 4 | var | | 1st Mortgage gold | . 1,500,00 | 00 7 | Feb. & Aug | New York | 1895 | ě. |
| 1 M.(" | 500,000 | 7 | June & De | C. 4 4 | 1894 | | | | 00 | Jun. & Dec | New York. | 1892 | į |
| t Mortgage gold | 2,000,000 | 7 | April & Oc | t. Cleveland, (| . 1901 | | 1st Mort. (Houghton and Ont.) | 2,000,0 | 00 8 | Jan. & July | 46 46 | 1892 | 2 |
| t Mortgage gold I Mortgage, for \$1,000,000 lyria and Black Riv. b'ds ass'd | 696,000 | 7 | | . 44 | | | Consolidated Mortgage | . 1,454,0 | 00 8- | 10 Various. | and and a supplemental the | 92- | 0 |
| lyria and Black Riv. b'ds ass'd | 180,000 | 7 | May & No | v 4 4 | 1892 | | lat Mortgage guaranteed | 400,0 | 00 | Jan. & July | Boston. | 1889 | i |
| ke Superior & Mississippi : st Mort, skg fund gold tax free. | 4,500,000 | 7 | Jan. & July | y. NYBostP | 1896 | 204 | Ist Mort. (Houghton and Ont., Consolidated Mortgage Massawippi Valley (C. & P. R.) Ist Mortgage guaranteed Maryland and Delaware: | | | The state of the s | A South was | 3 | |
| Mort gold tax free and conv. | 3,200,000 | 7 | * April & Oc | t. 44 66 6 | 1900 | | 11 IBL MOFICADO | . 850,0 150,0 | 00 | June & Dec | Boston. | 1885 | |
| ncome Bonds | 3,200,000 | 10 | 1000 | THE PERSON NAMED IN | 1902 | | 2d Mortgage | | 1 | oune at Dec | - UPIS 8790 | 1000 | 1 |
| wrence (P. Ft. W. & Chi.): | 855.000 | 7 | Feb. & Au | g. New York. | 1895 | | 1st Mortgage guaranteed, gold. Maysville and Lexington: | 100,0 | 00 | Jan. & July | New York. | 1890 | × |
| st Mortgage, guaranteed venworth, Atch. & N. West'r | C C | | | 1,000 | of in | w K | Maysville and Lexington: | F00.0 | | Ton & Tules | New York. | 1890 | ä |
| st Mort. guar. by Pac. of Mo., | - 900,000 | 0 7 | April & Oc | New York. | 1899 | **** | 1st Mortgage | 500,0 | 00 | Jan. & July | . LIOW LOIL | 1094 | 4 |
| st Mort. akg fund conv., gold | 5,000,00 | 0 10 | Jan. & Jul | y. N. Y. & Bos | t. 1899 | 214 | 1st Mortgage, Convertible | 1,293.0 | | March & Sept | | | |
| st Mort.(K. C. & San. Fe)guar | 720,00 | 0 10 | May & No | v. Boston. | 1890 | | 2d Mortgage Tennessee State Loan | 1,000,0 | 00 | Jan, & July | A SOUTH OF THE | 1885 | è |
| st Mort. (Southern Kan.) guar | 160,00 | 8 0 | June & De | 9C. | 1991 | **** | Income Bonds | 600.0 | | March & Sepi | | 778- | Ä |
| igh and Lackawanna: | 300,00 | 0 7 | Feb. & Au | g. Philadelphi | 1897 | | Memphis and Little Bock: | M sensit | | State of the same | to we be a dispersion? | 200 | |
| st Mortgage tax free | A S | | 28 (D9.1 L. Squi | or Late M. Long | 1000 | 1094 | 1st Mortgage (Land Grant) | 1,300,0 | | May & Nov | New York. | CT SECTION | n |
| st Mortgage (new loan) st Mortgage ("")reg | 5,000,00 | 0 3 | June & De | Philadelphia | 1898 | 109 | 2d Mortgage |): | - | 10 000 - 1 - 1 - 1 - 1 | Value of the state | 0,000 | Ē |
| d Mortgage for \$8,000,000 | 6,000,00 | 0 | March & Se | pt. « | 1910 | 112 | 1st Mort.(South BendDiv.)assu | id 200,0 | 00 | 8 May and Nov | New York | . 1890 | 3 |
| d Mortgage for \$5,000,000 leneral Mort. for \$40,000,000. | 5,000,00 | 0 6 | June & De | e. 4 | 1923 | 91 | Michigan Central: | 556,0 | 00 | 8 April & Oc | Boston. | 1882 | į |
| eneral Mort., registered visb. Centre & Spruce C. (P& E | | 1 | | No mile V. | 1928 | 87 | 1st Mortgage, convertible 1st Mortgage sinking fund con Consol. Mortgage for \$10,000,00 1st Mort. (Mich. Air Line) assu | v. 1,508,0 | 00 | 8 4 4 | and objections in | 1882 | |
| t Mortgage | 1,545,00 | 0 | May & No | v. Philadelphi | a. 1902 | | Consol. Mortgage for \$10,000,0 | 00 8,000,0 'd 1,900,0 | 00 | May & No | New York. | | |
| tington & St. Louis (A.&P.): | CHOMIST | 13 | 10 035 1 | | AND STORY | 145 | Equipment Bonds for \$800,000 | 600,0 | 00 | 8 Jan. & July 8 Apr. and Oc | | 1890 | |
| st Mortgage gold | 900,00 | 0 | June & De | oc. New York | . 1899 | **** | Michigan Lake Shore: | 000,0 | ~ | a lapi. and oc | CAP INVESTIGATION | 1000 | G |
| Mortgage | . 1,490,00 | 0 | 8 May & No | v. New York | . 1883 | | Michigan Lake Shore : 1st Mortgage | 800,0 | 00 | 8 Jan. & July | New York | . 1881 | 9 |
| treet Connection Bonds | . 525,00 | 10 | 6 Jan. & Ju | ly. Cincinnati | 1894 1880 | **** | Mich. So. and North'n Indiana: | 8. 5,256,0 | 00 | 7 May & No | New York | 1882 | š |
| tle Rock and Fort Smith: | 100,00 | 10 | May & No | | 1990 | | 1st Mort. assum'd by L.S.4.M. 2d Mort. " | 2,682,0 | | 7 " " | | 187 | |
| st Mortgage gold | 3,500,00 | 10 | 6º Jan. & Ju | ly. N. Y. & Bo | st. 1900 | | Middletown, Unionv. & W. Gap | : | 2 1 | . Mary 4: W. | Water Wash | - | i |
| and Grant sinking fund | . 2,000,00 | 10 | 7 " | | 1905 | 40 | 1st Mortgage tax free Midland of Canada: | 400,0 | 100 | 7 May & No | New York | . 1886 | 1 |
| tle Rock, Pine Bl. & N.Orlean | 750,00 | 10 | 7 Apr. and O | ct. New York | 1900 | 4 | 1st Mortgage sterling £335,000 | 1,675.0 | 000 | 6º May & No | London | 180 | í |
| st Mortgagetle Schuylkill (Phila. & Rdg.) | 100,00 | 1 | od eba z f | whiteness wright to | 310 3000 | | 1st Mortgage sterling £335,000 Midland Pacific: | | - | AND REAL PROPERTY. | A CHARLETTE CO. | THE PERSON | 3 |
| st Mortgage, Skg. Fd gansport, Crawf. & S'wstn Inc | 759,50 | 00 | 7 Apr. and O | ct. Philadelph | a. 1877 | 101 | 1st Mortgage gold, tax free Mifflin and Centre Co. (Pa.): | 1,100,0 | W | 7º Feb. & Au | . New York | 1806 | i |
| gansport, Crawf. & S'wstn Inc | 1 800 0 | 00 | OF THE PERSON | di Mort. Staris | ATT DELCE | 50 m | Lat Moutongo | 200,0 | 000 | 6 Feb. & Au | . Philadeln's | 189 | 7 |
| est Mortgage gold ong Island : | | | 8* F. M. A. & | Punded Defend | 111 11101 | 1 | Milwaukee and St. Paul- | | | 000 St 19191 At | projet stance | nd Long | ĺ |
| lst Mortgage | 500,00 | 00 | 6 Jan. & Ju | ly. New York | 1874 | | . See Chicago, Mil. & St. Pau | no tel | 2 | 00,100,15,17,100 | Commission Village | e grest | á |
| LUL MORIGAGE (EXTERNION) | 17D.U | 00 | 7 Feb. & A | ng. Philadelph | a. 1890 1898 | | Milwaukee, Lake Sh & Wester 1st Mortgage | 3,000.0 | 000 | 7 June & De | c. New : NE | 190 | 2 |
| General Mortgage | 150,0 | | 6 May & N | New York | | | Milwaukee and Northern | | 100 | W. 100 - 100 | 1 100 100 | ACT COLUMN | 80 |
| lst Mortgage (Glen Cove Br.). General Mortgage |): | | 000 88 | | booth a | rio S. | 1st Mortgage | 1,625, | 000 | 8 June & De | c. New York | . 1189 | ø |
| 102 M coders as | 4,300,0 | 00 | 7 Feb. & A | ng New York | 1900 | 88 | Mineral Point: 1st Mortgage | 000 | 1 | a transmission | Anosalization. | 100 | ü |
| lst Mortgage | | - 1 | San Carlot Vane 1 and | | 100 | 1.00 | I I I M OFIGRAPH. | | | O Jan. & Jul | y. Detroit | 1189 | ø |

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

| Description of Bonds. | Amount. | Rate | Whe | - | Where. | Due. | Price | Description of Bonds. | Amount, | Rate | When. | Where. | Due | 70 |
|--|----------------------|------|-------------|------------|-------------------------|-----------------|-------|---|----------------------|------|---|---|--------------|----|
| March 19 1 197 U.S.C. Little | 17 2 | | ****** | - | | | | N.O., Jack, & Qt. N. (N.O.StL.&C.): | 37 | - | | | _ | - |
| Inneapolis &St. I. (Nor. Pacific). | 700.000 | 7* | Jan. & | July. | New York. | 1011 | 40. | 1st Mortgage | 3,000,000 | 8 | Jan. & July. | New York | 1886 | |
| 1st Mortgage gold, guaranteed finnesota and North Western: | 211.31 0 | | And of Land | 10 P. A.S. | THE SE TO STATE | 1000 | 92 | 2d Mortgage for \$8,000,000 Consol. Mort. for \$8,000,000 | 1,500,000 | 8 | April & Oct. | M C C C C C C C C C C C C C C C C C C C | 1890 1912 | |
| 1st Mort. gold, skg fd & tax free fississippi Cent.(N.O.StL.&Chi.): | 20,000pm | 17 | Jan. & | July. | Detroit. | 1990 | | New Orleans, Mobile and Texas: | 3,000,000 | 1- | Jan. & July. | JOHN HIDE MACK | 1912 | |
| Test Mortgage | 1.012.5001 | 70 | May & | Nov. | New York. | 174-184 | | let Mort. (Mobile to N. Orleans) | 4,000,000 | | Jan. & July. | N. Y. & Lond. | | |
| 2d Mortgage. General Mort. for \$8,000,000 gold ludeslppi, Ouachita & Red Riv.: | 2,000,000 | 8 | Feb. & | Aug. | | 1886 | | lst Mort. (N. Orleans to Texas) | 7,250,000 | 8 | 44 44 | | 1915 | |
| General Mort. for \$8,000,000 gold | 3,708,500 | 7* | May & | Nov. | 2 700 100 | 1912 | **** | 2d Mort. endorsed by Louisians. New York, Boston and Montreal: | 2,825,000 | 0 | 1999 Chattania | description (| 1915 | |
| let Mortgage gold | 2.040.000 | 7* | Jan. & | July. | | 1900 | | 1st Mortgage for \$12 250,000 | 6,617,500 | 7* | Feb. & Aug. | N.Y. or Lond. | 1903 | |
| Smissippi and Tennessee: | 10000000 | | 100 | dA Desi | | SAT D | 1.5 | New York & Canada (D.&H.C.): | Monada v | 1007 | (194 Jan 197 198 | . cummed) - m | serio id | 1 |
| 1st Mortgage | 1 054 000 | | April & | Oct | Memphis. | 1876 '81-'93 | **** | New York Central & Hudson R. : | 4,000,000 | 0- | May & Nov. | London. | 1904 | |
| Tennessee State Loan | 1,254,000 430,547 | 8 | Jan. & | July. | hand a fragress bit) | | | Debt Certificates (N. Y. Cent.) | 6,632,900 | 6 | May & Nov. | New York. | 1883 | 1 |
| seissippi Valley and Western: | Trees No. 20 | ELS. | CONTRACTOR | 0.11 | (10) 24 Min 163 | 1,00000 | | Bonds for B.&N.F. stk (") | 74,500 | 6 | May & Nov. | 4 4 | 1883 | 1 |
| st Mortgage \$20,000 p. m | 800,000 | 7 | Feb. & | Aug. | New York. | 1902 | **** | Bonds for R.R. Stocks (") | 162,000 | 6 | 4 4 | 4 4 | 1883 | 1 |
| ssouri, Iowa and Nebraska: ist Mortgage gold, sinking fund. | 9 000 000 | 78 | June & | Don | Louis Lateral | 1910 | | Bonds for Real Estate (") Bonds of 1854 renewed (" | 162,900 2,391,900 | 6 | June & Dec. | 44 44 | 1887 | li |
| souri, Kansas and Texas: | *,000,000 | 1.21 | O'MILO W | Dec. | | 279121 | 1 | 2d Mort. (Hudson River) B. F | 1,794,000 | 7 | | e | 1885 | 1 |
| st Mort. (U.Pac.S.Br.) skg fund | | | Jan. & | July. | New York. | 1899 | | Bonds of 1871, tax free | 1,950,000 | 7 | April & Oct. | 4 4 | 1891 | 1 |
| t Mort. (Tebo & Neosho) S.F | 362,000 | 7* | June & | | 44 | 1903 1904 | 65 | 1st Mort., coup. } for \$30,000,000 1st Mort. Sterling for £2,000,000 | 18,465,000 | 7 | Jan. & July. | 4 4 | 1903 | 1 |
| Consol, Land Grant, skg fd gold Additional Consol. Mort | 2,500,000 | 14 | Feb. & | Aug. | Dar Line | 1905 | | 1st Mort. Sterling for £2,000,000 | 9,733,333 | 6* | 46 | London. | 1903 | 1 |
| Further Add. Consol. Mort | 600,000 | 7 | 14 | 44 | 46 46 | 1906 | | New York and Harlem: | | | 17.68 | COUNTY A SIN | vicanity, | 1 |
| mouri River, Ft. Scott & Gulf: | he body in | 1 | 100 | Cit will | Contraction of | 1000 | | Consolidated Mortgage of 1989 | 108,000 | | Feb. & Aug. | New York. | 1893 | 1 |
| at Mortgage, Land Grant, S. F. | 5,000,000 | | Jan. & | July. | New York. | 1889 | 62 | Binking Fund Mortgage of 1861. Consol. Mort. of 1872, coupon. Consol. Mort. of 1872, reg | 107,704 | 100 | May & Nov. | 4 4 | 1881 1900 | 1 |
| d Mortgagebble and Girard. | 2,000,000 | 10 | April & | Oct. | N. Y. & Bost. | 1000 | | Consol. Mort. of 1872, reg. | 10,500,000 | 7 | " " " | 44 44 | 1900 | 1 |
| at Mortgage | 377,500 | 7 | Jan. & | July. | Savannah. | 1876 | | 14. I ork, mousatonic & Northern | IngA L | 100 | 2001 | 1000 | POST | 1 |
| d Mortgage | 800,000 | 8 | 1 4 | 44 | New York. | 1889 | | NewYork, Kingston & Syracuse: | 249,000 | 7* | April & Oct. | New York. | 1902 | |
| bile and Montgomery: | 88,600 | 8 | 4 | " | Savannah. | 1887 | | 1st Mort, for \$4,000,000 | 2,500,000 | 74 | Jan. & July. | New York | 1902 | |
| at Mort, endor, by State of Ala. | 2,484,000 | 84 | May & | Nov. | New York. | 1900 | | New York, N. Haven & Hartford: | | | - outy | 16 h | CALLETT. | j |
| 2d Mortgage oblic and Ohio: | 800,000 | | 4 | -64 | 4 4 | 1900 | | 1st Mort.(Harlem & Portchester) | 2,000,000 | 7 | *************************************** | New York. | 1903 | |
| obite and Ohio: | Liter La | | | 17-471 | Land Land | To la | | New York and New England: | | 7 | March & Bont | Roston | 1884 | ı |
| st Mortgage Sterling | 5,686 000 | 8 | May & | Nov. | Mob. & Lond | 1883 | | 1st mortgage, old | 923,000 843,000 | | Jan. & July. | Boston. | 1905 | |
| nterest bonds | 1,624,800 | 8 | | 44 | Mobile. | 176-183 | | 1st mortgage, new New York and Oswego Midland | Thurs & Line | 1 | the section of | CK with our | | |
| Herling Interest bonds | 769 990 | 6 | 44 | - 44 | London. | 1883 | | 18t Mortgage gold, tax free | 8,000,000 | | Jan. & July. | New York | 1894 | |
| inecial Most (Calmandia Bolds. | 1,688,000 | 7 | Jan. & | July. | N.Y. & Lond | 1901 | | 2d Mortgage convertible | 1,500,000 | 7 | May & Nov. | 11 | 1895 1896 | |
| Mortgage (Gainesville Br'h) | 58,000 1,453,858 | | May & | Nov. | Mobile. | 1877 | | 2d Mortgage non-convertible 3d Mort, Equipment 1st Mort, (West. Extension) | 3,800,000 | 7 | | 4 | 1990 | |
| Connessee Substitution Bonds. Special Mort. (Gainesville Br'h) d Mortgage. Jonsol. Mort. for \$15,000,000. | ******** | 7 | Jan. & | July. | N.Y. & Lond | | | 1st Mort., (West. Extension) | 2,425,000 | 7 | ************** | 4 | | ŕ |
| Convertible 9 per cent. bonds ontclair (N. Y. and O. Mid.): | 977,550 | 8 | M. J. S | . & D. | New York. | | | Comsondated mortgage | 1,200,000 | 7 | | n in a | | |
| ntciair (N. Y. and O. Mid.): | 1 909 000 | | Want | le Gland | Now Wast | AUTO | 10.10 | New York, Providence & Boston 1st Mortgage | 76,000 | | Poh & Ann | Now West | 1878 | |
| st Mortgage gold, guard Mortgage | 1,800,000 | | * March | sept. | New York. | 1111 | | Extension Bonds | 250,000 | | May & Nov. | | 1878 | 1 |
| d Mortgage | 888,400 | | | ****** | 4 4 | | | General Mort. for \$1,000,000 | 837,000 | | Jan. & July | · · · | 1899 | 1 |
| ontgomery and Erie (Erie): | 1077 | | | | The Designation | 1000 | | Norfolk & Petersburg (A.M.& O.) | | 100 | and applied | A STATE OF | (D) 76 | |
| lat Mortgage | 127,900 | | May & | Nov. | New York. | 1888 | | 1st Mortgage | 306,000 157,000 | | Jan. & July | New York. | 1877 | |
| ontgomery and Eufaula : | 47,000 | 1 3 | April d | w Uct. | of acting | 1001 | | 1st Mortgage2d Mortgage | 454,000 | | | Norfolk. | 1877 | |
| lst Mortgage end. by Ala. gold. | 1,040,000 | 8 | March & | k Bept | New York. | 1886 | | North Carolina: | 1 | 18 | thon 840g | A CONTRACT | W. F. | |
| ist Mortgage not endorsed | 330,000 | 8 | June an | d Dec. | | 1900 | | 1st Mortgage | 875,00 | 8 | May & Nov | Co's Shops, NC | 1878 | |
| onticelle and Port Jervis : | 500 000 | 1 | | | New York. | 1890 | 1 | North Kastern (S. Car.): 1st Mortgage | The second second | 8 | March & Sept | Charleston. | 1899 | |
| ist Mortgage gold, tax free orris and Essex (D. L. & W.): | 500,000 | 1. | * J. A. J | . ac O. | TOW TOPE. | 2000 | | 2d Mortgage | 232,50 | | 46 4 | 46 | 1899 | |
| lst Mortgage sinking fund, guar | .1 6.000,000 | | | Nev. | New York. | 1914 | 115 | North Missouri (St. L., K. U. & N. | | 1 | 1810 June 101 | HOLDER TO SE | 1 | |
| 2d Mortgage guar Convertible bonds | 8,000,000 | | Feb. & | Aug | 44 44 | 1891 | 1074 | 1st Mortgage | 3,000,00 | 7 | Jan. & July | . New York. | 1895 | g |
| Convertible bonds | 384,000 573,000 | | Feb. an | d Ang | | 1900 | 100 | North Pennsylvania: 1st Mortgage | 1,930,50 | 6 | Jan. & July | . Philadelphia | 1885 | |
| Gen'l M. (lat on Boonton Br.) gr | . 4,991,000 | 7 | | k Oct. | 44 - 41 | 1901 | 994 | 2d Mortgage | 1,500,00 | 7 | May & Nov | an available | 1898 | |
| Special Mortgage | 1,025,000 | 7 | | | 44 44 | | | General Mortgage | 4,000,00 | 0 7 | Jan. & July | 4.4 | 1903 | |
| Consol. mort. for \$25,000,000 gua | 1 3,259,000 | 7 | June 4 | Dec. | 4 4 | 1915 | 35 | North Shore (Flush., N.S. &Cent |): | - | Bob & Am | Now York | 1887 | |
| ashville, Chattanooga & St. Louis 1st Mort., endorsed by Tenn | 1,100,000 | 0 | Jan. & | Jule | New York. | 774-18 | 8 | 1st Mortgage | 188,00 | 1 | Feb. & Aug | . New York, | 1001 | |
| 2d Mort. (Hela by U. S. Gov.). | . 1,000,000 | | | - 46 | 4 | 181-19 | 1 | 1st Mortgage, Md. State loan. | 1,500,00 | | | Annapolis. | Irred | |
| New Mortgage | 4,700,000 | | 4 | 65 | 46 | 1913 | 841 | 2d Mortgage S. F. Coupen | 1,490,00 | 0 6 | Jan. & July | . Baltimore. | 1885 | ĺ |
| lat Mortgage sinking fund one | - 1 1 GOD OO | | 1 7 | Tele | Now Vont | 1900 | 941 | 8d Mortgage Coupon | 2,599,00 | 6 | April & Oct | Baltiman | 1900 | |
| 2d Mortgage sold | 206.00 | | Jan. 4 | | New York. Nashville. | 1887 | 844 | Mortgage coupon | 205,00 | 0 6 | * April & Oct | 4 | 1900 | |
| ANDUA BIIG LOWEII: | | | 1 | | The state of the | 9000 | | Consol. General Mort. S. F | 2,925,00 | 0 6 | Jan. & July | Lond. & Balt | 1904 | |
| Honds for freight depot wark & New York (C. of N.J. | 200,00 | 0 6 | Feb. d | Aug | Boston. | 1892 | 102 | Becond General Mort. coupon. | 3,000,00 | | | Baltimore. | 1926 | |
| 1st Mortgage guar | 600.00 | 0 4 | Jan. & | July | New York. | 1891 | 1 | Second General Mort. coupon. | 1,000,00 | 6 | | Sent green our | 1020 | ĺ |
| ewark. Somerset & Straitsville | the said of | 1. | on and | A | The second second | 1.50 | | Northern New Jersey (Erie): 1st Mortgage skg fd guar | . 400,00 | 0 7 | Jan. & July | Jersey City. | 1878 | |
| lat Mortgage gold | . 800,00 | 0 7 | May d | k Nov | . New York | 1889 | 98 | Northern Pacific: | I CALLES | 100 | 0000 A | No. 1800 175, year Se | 15000 | |
| ew Bedford: | MOZA C | 1 | e Tois | Y-1 | Dostan | 1881 | 000 | 1st Mort. on R.R. & lands gold. Northwestern Virginia: | . 30,097,60 | 17.3 | Jan. & July | New York. | 1900 | |
| let Mort. (New Bed. & Taunton New Issue for \$360 006 | 171,50 | | Jan. & | July | Boston. | 1894 | 105 | 3d Mort, assumed by B. and C | 140,00 | 0 6 | Jan. & July | Baltimore. | 1885 | |
| ew Haven and Derby: | 1 100 | 1 | 1 | | 1.5 | 2000 | | 3d Mort., assumed by B. and C. Northwestern Union (C. & N.W. |): | 05 | O MELL HAVE | 1-1-1-1-1-19 | a month | 1 |
| 1st Mortgage | . 525,00 | 0 | 7 Var | lons. | New Haven | . '98-'0 | 0 | 1st Mortgage | 3,500,00 | 0 7 | * March & Sep | New York. | 1915 | |
| lat Mortgage (coup. & reg) | 3,000,00 | 0 | 7 May 6 | b Nov | New York | 1889 | 1000 | lst Mort. Mass. Loan, sky. fd | 400,00 | 0 6 | Jan. & July | Boston. | 1877 | ĺ |
| 2d Mortgage | 3,000,00 | | | 2101 | | 1881 | | Construction Bonds | 240,00 | | | | 1877 | |
| lew Haven and Northampton : | 1 | 1 | 1000 | | The property is | 100 | 10.00 | Nyack and Northern: | J. P. Ekilling | Of | O'CE MANAGE | souther English | 0 50 20 | |
| Int Mortgage | 1 000,00 | 0 | | | N. Y. & N. 1 | H. 1899 | | lst Mortgage Ogdensburg and Lake Champlai | 160,00 | 0 7 | Jan. & July | New York. | 1890 | |
| 1st Mortgage | 200,00 | | 6 April | & Uci | a rendella | 1891 | 2 | Rquipment Mortgage | 300,00 | 0 8 | Jan. & July | Boston. | 1878 | |
| ew Jersey Midland (NY.&OM. |): | 7 | to my | | 1 - Dept. Wint DA | 1001 | | Equipment Mortgage | 200.00 | | | freight to Marting to | 1879 | 1 |
| 1st Mortgage gold, guar | 3,000,00 | | 7* Feb. 4 | & Aus | g. New York | 1895 | | Sinking Fund Bonds Ohio and Mississippi: | 468,00 | | | Pine B. 4 N 3 | 1890 | - |
| ow Jersey and New York : | 1,500,00 | | 7 | 4 | 2011 | 1881 | | Ohio and Mississippi: | 0.000 | 90 | S 51 101 140 | *************************************** | 1898 | |
| 1st Mortenes | 1 100 or | 2 | 70 15 | A 0- | N.Y. or Lon | 1909 | 1 | Consolidated Mort. Bonds Consolidated S. F. Mortgage | 3,067,0 | 00 | | New York. | 1898 | |
| 1st Mortgage | 500,00 | - | - Maintell | a nep | | 1.000 | 11 | Consolidated Mort. Sterling | 3,478,00 | 00 | a Mela | London. | 1898 | 1 |
| 1st Mortgage 1st Mort (Tom's River Branc | 2,000,00 | | 7 May | & Nov | v. New York | 1889 | 21 | Consolidated Mort., Sterling. 2d Consol. Mort. & S. F. Bond | 8, 8,864,0 | 10 | April & Oc | L New York. | | |
| 1st Mort. (Tom's River Branc | h) 120,00 | 00 | 6 April | & Oc | 6. | 1888 | | Income and Funded Debt Bou | ds 174.0 | 00 | 7 1 4 44 | New York. | | |
| 2d Mortgage Cunsol. Mort. for \$7,000 000 | 5 300 0 | 00 | 7 March | de Bod | E-I | 1881 | *** | | 140,0 | | May & No | v. New York. | 1905 | |
| Income Mortgage | 750.0 | 00 | 7 April | - 8 | | 1881 | | Old Colony . | 1,510,0 | ~ | Many 2 240 | de (Olen Code | icatris M | Ć |
| New Jersey West Line lot Mort gold, for \$8,000,506 | A motor) | 1 | Contract to | Stores | A TOTAL OF | 2.52 | 1 | Plain Bonds | 1,000,0 | 00 | 6 March & Sep | t. Boston. | 1806 | |
| lat Mort. gold, for \$8,000,000. | 3,000,0 | 00 | 7 May | & No | v. New York | 1900 | | Plain Bonds | 32,0 | 00 | o West of | COLUMN TOR | 1884 | |
| 1st Mortgage | A CHARLES | - | d April | | War Very | . 1886 | 100 | Plain Bonds | 1.450.0 | 00 | 7 March & Sep 7 Pob. and Au | S. Ban attack | 1894 | |
| | ** 30 70 | 99 | ALCOHOLD ! | - U | t, New York | 4 11550 | 1.00 | II ATOM ADDITION THE BOLVEY POLICE | TO S ALONA,U | 100 | I LANGE USE THE LITTLE | | 1881 | |

An Asterick (*) affixed to rate of nterest signifies "Payable in Coin."

| Description of Bonds. | Amount | Kate | - | hen. | Payable. Where. | Dae. | Price | Description of Bonds. | Amount. | Rate. | Interest When. | Payable. | Due. | 1 |
|---|---------------------|------|--------------|-----------------|--|--------------|-------|---|--------------------|------------|--|----------------------------|-----------|-----|
| Creek (Pittsb., T. & Buffalo): | 2 | - | | | | | - | Philadelphia, Wilmington & Balt.: | 27 | | Control of the control | Wideles 2 | - | - |
| st Mortgageasha and Northwestern: | 580,00 | 7 | April | & Oct. | Philadelphia. | 1896 | 85 | Philadelphia, Wilmington & Balt.: Mortgage Loan, convertible | 1,000,000 | 6 | Jan. & July. April & Oct. | | 1884 | 29 |
| st Mort. Land Grant, Gold | 16,000pn | 7.3 | Jan. d | k July. | New York. | 1901 | | Loan of 1867 Loan of 1872 | 700,000 | 6 | ti 11 | panetoreril, etc. | 1892 | |
| aaha and Southwestern: | 1 094 00 | 8 | June | & Don | Routen | 1896 | 97 | Loan of 1875 | 800,000 | 6 | differ forms# d | of the state of | 1900 | H |
| st Mortgage \$20,000 p. m ange, Alex. and Manassas— | 1,034,00 | 9 | oune | & Dec. | Boston. | foad | | Pickering Valley (Phila. & Rdg): | 331,800 | 7 | April & Oct. | Philadelphia. | 1900 | 4 |
| lee Wash. C., Va. Mid. & Ot. So. | 1 3 | 100 | 40 | | | il ami | III. | lst Mortgage, guaranteed Pittsburg, Cin. & St. Louis (Pa.): lst Mort. (Col. & Newark Div.) | **** 000 | | OUT DESCRIPTION OF THE PARTY OF | Z (1, 1, 20 km) (1), 8 | | 4 |
| egon and California: at Mortgage gold | 10,950,00 | 0 7 | April | & Oct. | New York. | | | 1st Mort. (Steub. & Ind.) conv | 3,000,000 | 6 | Monthly. | Philadelphia. New York. | 1890 | al' |
| st Mortgage gold | | 100 | 0002 | | 14 14 | 1000 | 14 | Consol. Mortgage for \$10,000,000. Consolidated 2d Mortgage | 6,222,000 | 7 | Feb. & Aug. | Philadelphia. | 1890 | 4 |
| st Mortgage (5-20 years) hkosh & Miss. (C., M. & S. P.): | 200,00 | OITO | Jan. | k July. | New York. | 1888 | **** | Pittsburg, Ft. Wayne & Chicago: | 5,000,000 | | April & Oct. | The Table 10 to be | 1913 | |
| st Mortgage. wego and Rome (R.W. & O.): | 240,00 | 0 8 | Jan. | & July. | New York. | 1891 | | 1st Mortgage (Series A) | 875,000 | H pi | Jan. & July. | New York. | 1012 | a l |
| wego and Rome (R.W. & O.): | 500,00 | 0 7 | May | & Nov. | New York. | 1916 | | 1st Mortgage (Series B) | 875,000 875,000 | | Feb. & Aug. March & Sept. | 1 04 Thitan 4 th | 1912 | M |
| at Mortgage | 112,10 | | Feb. | & Aug. | 4 4 | 1891 | | 1st Mortgage (Series D) | 875,000 | 7 | April & Oct. | A COLUMB | 1912 | 14 |
| wego and Syracuse(D.L.& W.) | | 7 | Wan | & Nov. | New York. | 1885 | | 1st Mortgage (Series E) | 875,000 | | April & Oct. May & Nov. June & Dec. | CO. Million (Million | 1912 | 83 |
| st Mortgage, guaranteed awa, Oswego & Fox River : | | 7 | | | 10,000 | tode d | 1108 | 1st Mortgage (Series F) 2d Mortgage (Series G) | 860,000 | 7 | Jan. & July. | M 2 . 1/44 | 1912 | |
| st Mortgage guar. by C., B.4: Q. rensboro' and Russellville. | 1,079,00 | 0 8 | Jan. | & July. | N.Y. & Bost | 1900 | 106 | 2d Mortgage (Beries H) | 880,000 | 1 | March & Sept. | 2 24 NOT THE 48781 | 1912 | Ē |
| st Mortgage for \$1.500.000 | 1,500,00 | 0 8 | Feb. | & Aug | New York. | 1892 | | 2d Mortgage (Series I) 2d Mortgage (Series K) | | | Anvil & Chat | TURNS SULMENT | 1912 | 8 |
| st Mortgage for \$1,500,000 | | 1 10 | 11.0 | | Park Millions Di | Topy | 12 | 2d Mortgage (Series L) | 800,000 | | May & Nov. | . # 5 mi# 23 | 1912 | |
| t Mortgage gold | 2,650,00 | | Feb. | & Aug | New York. | 1888 | 100 | 2d Mortgage (Series M) | 2,000,000 | | June & Dec. | A SECTION OF THE PARTY | 1912 | 100 |
| Mortgage | 4,000,00 | 0 7 | May | & Nov | | | | Onstructica bonds of Jan. 1,'70 | 100,000 | 7 | Jan. & July. | New York. | 1887 | (i) |
| d Mortgagett. Louis County Debt | 700,60 | | Mo | athly. | St. Louis. | 1885 | | Equipment bonds | 1,000,000 | 8 | March & Sept. | Party and Party and Call | 1884 | 6 |
| CORL AUSTRALE DUNIUS | . 0000,00 | | May April | & Oct | New York. | 1892 1893 | | Pittsburg, Va. and Charleston: | 700,000 | 7 | April & Oct | New York. | 1902 | K) |
| t Mort. (Carondelet Branch). ucah and Memphis: | 1 | | - | | 1001 | 312.0 | 6402 | lst Mortgage Pittsburg, Wash'gton & Baltlmore | 4 000 000 | 100 | | TO LANGE STORY | ALIMPI | ds. |
| t Mortgage gold for \$2,805,000 | 1,541,0 | 00 7 | Feb. | & Aug | New York. | 1902 | | 1st Mort. (Pittsb. & Conn'isville 2d Mort. do. (Balt. Loan) |) 4,000,000 | 7 | May & Nov. | Baltimore, | 1998 | |
| eneral Mortgage, stg £597,800 | 2,889,3 | 30 7 | April | & Oct | London. | 1897 | | 1st Mort. (Turtle Cr. Div.10 m | 400,000 | 6 | Feb. & Aug | | 1889 | 20 |
| s and Decatur: | 1 300 | | AL DIE I | STATE OF STREET | plant busy its | CHEM | | Real Estate Mortgage | 100,000 | | | Baltimore. | 1883 | 1 |
| t Mortgage gold, S. F erson and Newark (Erie): | 1,200,0 | 1 | Jun | & July | N. Y. & Lond | 1. 1092 | | Plymouth, Kankakee & Pacific: | 20,000 pm | 7 | Jan. & July | New York. | 1901 | á |
| t Mortgage guaranteedin, Linc. & Decatur(TW&W) | . 500,0 | 00 | Jan. | & July | New York. | 1878 | | 1st Mortgage for \$3,600,000 Port Huron and Lake Michigan | 1 000 | 100 | 0,000,000,45 | Control (Shipping) | Section 1 | |
| in, Line & Decatur(TW&W) | 1,076,0 | 00 | 7 Feb. | & Aug | New York. | 1900 | 60 | 1st Mortgage gold, for \$1,800,00 Portland & Ogdensb.(Me.& N.H. 1st Mort. (Maine Section) gold. | 0 1,800,000 | 7 | May & Nov | New York. | 1899 | S |
| t Mortgage, guaranteed berton & Hights.(UC of NJ) | 1,010,0 | 00 | | e Aug | A PERSON NAMED IN | 491207 | 14 | 1st Mort. (Maine Section) gold. | 800,000 | | Jan. & July | Boston. | 1900 | |
| Mortgage guaranteedinsular (Mich.) Railway: | . 160,0 | 00 | 7 Jan. | & July | . Philadelphia | . 1889 | 105 | Consol. Mort. gold, for \$3,300,00 Portland and Ogdensburg (Vt.): | 0 149,000 | 0 6 | May & Nov | and the state of | 1901 | Į, |
| Mortgage gold(S.F.)1st serie | 1,800,0 | 00 | May | & Nov | N.Y. or Lon | 1. 1899 | 1 | lat Mortgage gold, for \$2,300.00 | 0 1,200,00 | 0 6 | May & Nov | N.Y. & Bost | 1891 | je: |
| t Mortgage gold (S.F.)2d serie | 2,000,0 | 00 | 1. 11. | 44 | 4 4 | 1900 | | 1st Mortgage gold, for \$2,300,00 Portland and Oxford Central: | 35,1007 | 100 | NAME - | profession of the | apried | K |
| Mortgage | . 540,0 | 00 | 7 Feb. | and Aug | New York | 1881 | | 1st Mortgage of 1863 Portland and Rochester: | 250,00 | 0 5 | Jon. & July | Portland. | 1883 | |
| psylvania: t Mort. (Harrisb'g to Pittsb's | 4,970,0 | 00 | 6 Jan. | & July | Philadelphia | 1880 | 1051 | 1st Mort.(Portland Loan)akg f | d 700,00 | 0 6 | Jan. & July | Boston. | 1887 | ü |
| eneral Mortgage | 200000 | 7 | 6 J. A. | J. & (| | . 1910 | 108 | lst Mortgage (equal lien) | 100,00 | | April & Oct | 1 1 1 (M will) | 1887 | |
| eneral Mortgage, registered. onsolidated Mortgage | 29,250,0 | 1 1 | 6 "Tan | & July | London. | 1910 | 1061 | 2d Mort. (Portland Loan) Port Royal (S. C.): | 396,50 | 0 | Mar. & Sept | Bullett State of | 1891 | 1 |
| tate lien for \$7,500,000, skg f | d 4,795,1 | 08 | 5 April | & Oc | Philadelphia | | | lst Mortgage gold, skg fd | 2,000,00 | | May & Nov | N.Y. & Lond | 1. 1889 | |
| nsylvania Coal : | 1 | | | | STONE OF THE | | 101 | 1st Mortgage gold, skg fd 1st Mort. gold, guar. by Ga.R. Portsmouth, Gt. Falls & Conwa | R 500,00 | 0 7 | | (150 Me) | 1889 | 1 |
| st Mortgage | 487,5 | 30 | 7 Feb. | and Aug | New York | 1881 | | 1st Mort., guar, by Eastern R. | 514,00 | 0 7 | June and Dec | Boston. | 1598 | ü |
| t Mortgage | 1,083,0 | | | & Au | | | | 1st Mort., guar. by Eastern R.I Pougkeepsie and Eastern : | | 4 | 14,901 | TOTAL SECTION OF | - 10 BH | Į, |
| Mortgage | . 219,0 | 00 | 7 Apri | l & Oc | | 1903 | | 1st Mort. gold, conv. & tax free. | 044,00 | 0 7 | Jan. & July | New York. | 1910 | |
| nsylvania & New York(L.V. t Mortgage guaranteed | 1,500,0 | 00 | 7 June | & De | . Philadelphia | . 1896 | 109 | 2d Mortgage Providence and Worcester: | | ٦. | Be-111 000 USC | Sarra M. Achia | uporté | ě. |
| t Mortgage guaranteed oria & Bureau Val(C.R.I.& P. | 1,500,0 | 00 | 7 " | | | 1906 | | 1st Mortgage | 500,00 | | Jan. & July | . Providence | | |
| oria & Bureau Val(C.R.I.& P. | 600,0 | 000 | 8 Jan. | & July | New York | 1877 | | Stoughton Branch bonds Quincy, Alton and St. Louis: | 1,000,00 | 0 | 3000 - NO. | Comments of | 44.44 | S |
| t Mortgage guaranteed ria & Hanntbal (C. B. & Q.): | 26 (632) | | 00 05/17 | | DESCRIPTION OF THE PARTY OF THE | 457030 | | 1st Mortgage goldQuincy and Palmyra: | 1,000,00 | 0 7 | May & Nov | Philadelphia | 1882 | 2 |
| st Mortgage, traffic guarantee ona, Pekin and Jacksonville : | 277,0 | 100 | 8 Jan. | & July | Boston. | 1878 | 101 | Quincy and Palmyra: | 500,00 | 0 8 | Feb. & Aus | New York | 1892 | ď. |
| ora, Pekin and Jacksonville: | 1,000,0 | 000 | 7 Jan. | & July | . New York | 1894 | | lst Mort, assumed by H. &StJ. Quincy and Toledo (T., W.& W.) | | 1 | All Land | 1 2 20,7602 19 | e (U) (| ä |
| st Mortgage d Mort. conv., and tax free oria and Rock Island: | 1,000,0 | | | 1 & Oc | | 1900 | | 1st Mortgage, guaranteed Quincy & Warsaw (C. B. & Q.) | 500,00 | 0 7 | May & Nov | . New York. | 1890 | * |
| oria and Rock Island: | 1 500 (| 100 | 7# Pob | Ar An | N.Y. & Lon | 1000 | 1 | Quincy & Warsaw (C. B. & Q.) | 725,00 | 0 8 | Jan. & July | Boston. | 1890 | ű |
| t Mort, gold, conv. & tax free d Mortgage | a Tinoni | | | | y. New York | | | lst Mortgage, guaranteed Reading and Columbia (P.& R). | The Paper S | 110 | O MAIL | 1 Street To 1 . 10 | Passa | à |
| rkiomen (Phila. and Rdg): | | | | 10.26 | 18 11 2 10 30 30 | 1 | 70 | 1st Mort., Coupon, guaranteed | 650,00 | 0 7 | March & Sep | New York. | | ě |
| st Mortgage, guaranteed tersburg : | 619,0 | 1000 | 6 Apri | l & Oc | t. Philadelphi | a. 1897 | 70 | Rensselaer and Saratoga: | 850,00 | 0 3 | June & Dec | . Columbia. | 1884 | 8 |
| st Mortgage (instalments) | 841, | | 8 Jan. | & Jul | y. New York | . 79-19 | | 2d Mortgage | 300,00 | 0 7 | Jan. & July | Troy. | 1890 | |
| d Mortgage | 500, | 000 | 8 " | | 131 | 1902 | | 3d Mortgage | 150,00 | 0 7 | March & Sep | New York | 1887 | |
| lladelphia and Atl. City: | 350, | 000 | 7 Jan | & July | y. Philadelphia | L. 1907 | | 1st Mort. (Troy, Salem & Rut | 500,00 | 0 7 | May and Nov | 1 1 1 1 2 1 3 CM | 1890 | 0 |
| fortgage for \$500,009 iladelphia and Baltimore Cen | t.: | | | | ego gasellari sa | or mark | 1200 | 1st Mort. (Troy, Salem & Rutl 1st Mortgage (Glenn's Falls) | 1,768,50 | 0 7 | Mayand Nov | | 1894 | |
| st Mortgage (Penn. Div. 364 n | 300, | | 7 Jan. | & Jul | y. Philadelphi | 1891 | | Consol. Mort. for \$2,000,000 New Gen'l Mort. for \$6,000,000 | 1,092,00 | | | * *** | 2 1192 | ű |
| st Mortgage (Md. Div. 9; m.). d Mortgage (Pa. & Md. 46 m.) iladelphia and Erie (Penn.): | 400, | | 7 " | ** | 6 5 11 12 | 1900 | | Richmond and Danville. | | 1 | DALLON | THE REAL PROPERTY. | Omlo | Ñ |
| iladelphia and Erie (Penn.): | 1,000, | 200 | W Ann | | 1 Dhille delmbi | 1977 | 1004 | Virginia State Loan, skg fund. Virginia State guar, bonds | 157,80 | | | Richmond. | 1890 | |
| at Mort. (Sunbury & Erie 40: at Mortgage | 5,000 | | 7 Apr. | and Oc | t. Philadelphi | 1881 | 1024 | lst Mort, (Peldmont Branch). | | 0 8 | | and an an | 1888 | |
| d Mortgage | 3,000, | 000 | | & Jul | у. | 1888 | 94 | lst Mort. (Northwestern, N.C. | 500,00 | | 7 April & Oc | | 1 | il. |
| leneral Mort. for \$20,000,000 | 7,652, | 000 | Q= " | | Phil. or Lon | d. 1920 | | Consolidated Mortgage Rich., Frederickburg & Potoma | 1.766,00 | | May and No | . New York | | å |
| oan of 1868, debenture | 1,138, | 40C | 6 Jan. | & Jul | y. Philadelphi | a. 1893 | 33 | Sterling Loan | 67,77 | 1 6 | Jan. & July | London. | 1876 | |
| lort. Loans of 1843-44-48 & 4 | 9. 1,510, | 500 | 6 " | 2 (2) | e Contact | 1880 | 1024 | Dollar Loan | 175,42 | 8 7 | | Richmon 1. | 1870 | |
| fortgage Loan of 1868 | 2,700, | 100 | | and Od | the ! | 1893 1880 | 100 | Dollar Loan, Coupon Dollar Loan | 450,00 124,48 | 9 6 | 50 T 1 000 T | A GALATAN SALES | 1678 | |
| Lortgage Loan of 1843 stg | 967, | 200 | 6* " | 111 | 10 / 14 / 54 | 1880 | | Richmond and Petersburg: | Juda'ar | 21/3 | S 200 4 2 4 | Kum yallik | 115,59 | 挺 |
| Mortgage Loan of 1836 stg | 134, | 400 | 7 7 | A D | A 750 - 74 | 1877 | 96 | 1st Mortgage (Coupon) | 170,00 31,00 | | May & No | Richmond. | 1914 | |
| Jonsolidated Dollar register | 7,300, ad 3,358, | 000 | 7 26 | e & De | c. Philadelphi | 1911 | 95 | Rockford, R. Island & St. Louis | 1 | 5118 | WIND THE | ********** | SE 100 | |
| Mortgage Gold or stg cou | p. 7,000, | 000 | 6# u | 1000-00 | Phil. or Lon | d. 1911 | | let Mortgage tax free | 9,000,00 | 10 | Feb. & Au | N.Y. & Lon | d. 1918 | 8 |
| June 1, 1871. Gold or stg reg | 663, | | 9a 11 | i i i | 0 4 | 1911 | | lst Mortgage tax free | 799,9 | 10 | March & Bep | . New York | 1880 | ě |
| New deben, loan, conv | 305, | 000 | 7 Jan. | & Jul | V. I minutelpin | 1893 | 48 | 2d Mortgage. | 460,00 | 00 | Jan. & Jul | 7. 16 66 | 1905 | à |
| New deben. loan, conv New Improvement Mort. Loa | n. 9,598, | 000 | 6º Apr | and Oc | t. Phil. or Lon | d. 1897 | | 2d Mortgage | 1,050,50 | 0 | June & Do | a. Contractor #15 | 11891 | 1 |
| ren'l Mort, stg. S.F.(\$60,000,00 | 0) 9,900, | 000 | 6" Jan. 7 | & Jul | y. " " | 1908 | | Consol. Most. conv. till 1879. | 3,000,00 | 30 | Apr. and Oc | - Charles Cont | 1904 | ı |
| tot. (Coal and Iron Co.) gua taburg, Titusville & Buffalo: | . VI 1.50 . 15. | 000 | 000 ota. | arious. | eyentrole min | 1002 | | Rauinment Mortgage, tax free | 600,0 | 10 | May and No | Boston. | 1884 | ā |
| tet mortgage | 1,165, | | 7 Feb. | & Au | g. Philadelphi | a. 1896 | 58 | Equipment Mortgage | 500,00 | 10 | March & Sep May and No | Course Broke | 1880 | 9 |
| | 7 900 | | 71 4 | 4 | 11.00 | 1800 | 1.00 | General Morting | 1,1 3,500,0 | 100 | I MAY AND NO | with the expense of | 4100 | ø |

An Asterick (*) affixed to rate of interest signifies "Payable in Coin."

| Description of Bends. | Amount. | Rate | When. | Where | Due. | Price | Description of Bonds. | Amount. | 4 | When. | Where. | Due | |
|--|------------------------|------|---|------------------------|--------------|---------|---|----------------------------|-----|---|---|--|----|
| aginaw Valley and St. Louis: | | N.V | 7.6 | Margarana Porce | THE | 7 | South Carolina: | Hog . T | 00 | Ded Control | as it prismed | of sold | - |
| lst Mortgage | 346,000 | 8 | May & Nov. | Saginaw. | 1892 | | lst Mortgage Sterling | 1,482,667 | 2 | Jan. & July. | London. New York. | 182-188 178-188 | - |
| ant Croix and Penobscot: | 95,200 | | Jan. & July. | Calais, Me. | 1879 | | lst Mortgage (L.) currency 2d Mort. for \$3,000,000 | 1,206,500 | | April & Oct. | New Tork. | 1902 | |
| 1st Mort. (Cal. & Baring) 2d Mort. (" ") | 17,500 | 6 | | * | 1879 | | Domestic (G) Bonds | 2,500 | 6 | Jan. & July. | Charleston. | 1874 | |
| Calais Loan (Lewey's Island) | 115,000 | | June & Dec. | September 1 | 1876 | | Domestic (I) Bonds | 1,054,500 63,500 | 6 | April & Oct. Jan & July. | 4 | 1891 '80-'92 | |
| Joseph & Denver City : | 1,500,000 | 8* | Feb. & Aug. | N. Y. & Lond | 1899 | | South Georgia and Florida: | | | | Lournel Eath | MG SIN | 1. |
| 1st Mort. (E. D.) gold tax free 1st M.(W.D) and grant, g'd tax fr | 5,500,000 | 8* | out a contract | 1 20 2 50 | 1900 | | 1st Mort. assumed by Atl & Gulf 2d Mort. " " | 200,000 | 7 | May & Nov. | New York. | 1888 1880 | |
| Let Mortrage | 1,000,000 | | May & Nov. | New York | 1893 | | South Mountain Iron(Cumb. Val): | 200,000 | | SECTION AND ADDRESS OF | nave (C-C) one | dsold | * |
| Louis, Alton and Terre Haute | | | c Throppy | 1 de 100 20 74 d | 1 | 000 | 1st Mortgage guaranteed | | 6 | June & Dec. | Philadelphia. | 1888 | |
| 1st Mortgage skg I'd. (Berles A | 1,100,000 | 7 | Jan. & July. April & Oct. | New York. | 1894 | 110 | 2d Mortgage for \$200,000 South and North Alabama. | 177,560 | 2 | March & Bept. | Water Control | 1884 | 1. |
| 1st Mortgage skg f'd. (Series B 2d Mortgage preferred (Series C | 1,400,000 | 7 | Feb. & Aug. | 4 4 | 1894 | 88 | 1st Mort., endor, by Ala., gold | 391,000 | 8* | Jan. & July. | | 1890 | 1. |
| 2d Mortgage preferred (Series D) | 1,400,000 | 7 | May & Nov. | 4 4 | 1894 | 40 | Sterling Mort., guar. by L. & N. South Pacific (Atl. and Pac.) | £1,038,000 | 6" | May & Nov. | London. | **** | - |
| 2d Mortgage Income (Series E Equipment Mortgage | 1,700,000 | 10 | March & Sept. | 44 44 | 1884 | 68 | lst Mortgage gold, assumed | 7,188,500 | 6* | Jan. & July. | New York. | 1888 | 1 |
| Louis, Iron Mt. and Southern | net l | Sin | 563 | | 250-77 | 0 | lst Mortgage gold, assumed South Shore (Mass.): | | | | SETTING RELIEF | 0.00 | 1 |
| 1st Mort. (St. Louis & Iron Mt. | 6,000,000 | 7.0 | Feb. & Aug. May & Nov. | New York. | 1892 | 99 | South Side, Va. (A., M. and O.): | 150,000 | 6 | April & Oct. | Boston | '80-'81 | 1 |
| 1st Mort, L.G. (Arkansas Br'h | 2,500,000 | 7 | June & Dec. | | 1897 | | lst preferred bonds | 075,000 | 8 | Jan. & July. | New York. | 184-190 | 0 |
| 1st Mort. (Cairo, Ark. & Tex. | 1,500 000 | 74 | 44 44 | 66 66 66 46 | 1897 | **** | 2d preferred bonds | | 6 | 44 44 | a nuclear | '84-'90 | |
| Consolidated Mortgage | 1,500,000 | 7 | *************************************** | V. Thomas Tay | 1899 | **** | Southern Central (N.Y.): | 452,800 | 0 | | or an include the | 184-190 | 0 |
| 1st Mortgage | 2,929,000 | | April & Oct. | New York. | 1894 | | 1st Mortgage, skg fund conv | 1,500,000 | 7 | Feb. & Aug. | New York. | 1899 | 1. |
| 2d Mortgage | . 548,000 | 7 | Jan. & July. | | 1898 | | 2d Mortgage Southern Iowa and Cedar Rapids: | 600,000 | 7* | March & Sept. | | 1882 | 1 |
| t. Louis, Kansas City & Northn 1st Mortgage (North Misseuri | 6,000,000 | 7 | Jan. & July. | New York. | 1895 | 101 | 1st Mortgage gold | 1,500,000 | 7* | May & Nov. | New York. | 1900 | 1 |
| Real estate & 2d M. for \$3,000,000 | 993,000 | | | 46 . 66 | 1899 | | lst Mortgage gold | | | | 2015 | 0.0 | 1 |
| Louis Lawrence and Denver: | A MATERIA | 4 | Jan. & July. | New York. | 1901 | | 1st Mortgage | 750,000 1,500,000 | 7 | March & Sept. May & Nov. | New York. | 1887 | 1 |
| 1st Mort. guar. by Atl. and Pac Louis and South Eastern: | 1,020,000 | 0 | Jam & outy | THE TOTAL | 111-11 | **** | Southern Minnesota: | 2,000,000 | 2 | Mary 1990 1130 | Late may and | | 1 |
| 1st Mort. gold skg lund conv | 2,207,000 | | May & Nov. | New York. | 1894 | | lst Mortgage land grant tax free | 3,340,000 | 8 | Apl. & Oct. | New York. | 778-78 | 8 |
| lat M. (Evans, D.)gold skg 1'd,cor | 1,000,000 | | Jan. & July. | 66 66 | 1896 1897 | **** | 2d Mortgage, land grant Southern (Cal.) Pacific: | 1,252,000 | | Jan. & July. | | 1890 | 1 |
| lst Mort. (Evans., Hen. & Nash. Consol. Mort. Skg. Fund | a 2,000,000 | | | 45 46 | 1902 | **** | 1st Mortgage gold for \$28,000,000. Southern Pennsylvania: | 11,000,000 | 6* | April & Oct. | New York. | | |
| Louis Van & T. H. (T.H. &L.) | DOUGH POP | Oto | Ton & Tules | Man Wank | 1000 | | Southern Pennsylvania: | | | V75 4.77 | Louis III but | Mal. | |
| 1st Mortgage, guaranteed 2d Mortgage, (A.) guaranteed | 1,899,000 | 7 | | | 1897 1898 | | 1st Mortgage gold2d Mortgage gold | 625,000 88,000 | 7* | March & Sept. | Philadelphia. | 1900 | |
| Mortgage (B.) convertible | . 1,000,000 | 7 | " " | 44 44 | 1898 | | South Western (Cen. of Ga): | u E T | 0 | Dist. | 1 | Cital M | |
| ncome Mortgage | . 1,000,000 | 7 | March 1. | Pittsburg. | 1901 | | Plain Bonds, various conv | 391,000 | 7 | various. | Macon. | 172-18 | |
| Paul and Iowa Southwestern | 4,500,000 | 21 | May & Nov. | | . 1903 | | Spartanburg and Union: | 300,000 | • | State of the last of the | | 72'-7 | U |
| let Mortgage | or child | 100 | 198 | La Della o o | | | 1st Mortgage, end. by S. Car | 350,000 | 7 | Jan. & July. | Charleston. | 1879 | |
| lst Mort. (St.P.to St.Anth.)10m | 120,000 | | March & Sept | New York. | | **** | | 198,370 | 7 | " " | * | 1879 | |
| let M. (St. Paul to Watab) 80m | . 866,000 1,145,750 | 7 | Jan. & July June & Dec | | 1892 1892 | **** | | 416,000 | 7 | Jan. & July. | Boston. | 183-19 | 01 |
| 2d Mort. (do.) & 1st land gr | . 3,000,000 | 7 | May & Nov. | London. | | | Springheid & Illinois S. Lastern: | 1 | | | 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - | 1 | _ |
| 2d M. (do.) E. E. & Land | . 0,000,000 | | | | **** | | 1st Mortgage gold, tax free 2d Mortgage gold, tax free | | 7* | April & Oct. | New York. | 1899 | |
| General Mortgage for \$15,000,00 t. Paul, Stillwater & Taylor's F. | : | T | *************************************** | | **** | **** | Springfield and Northwestern: | 446,000 | • | April & Oct. | 0 100 | 1900 | |
| 1st Mortgage | 450,000 | 8 | Jan. & July | New York. | 1901 | | lst Mortgage gold, skg fund | 600,000 | 7* | Feb. & Aug. | New York. | 1901 | |
| dem (West Jersey): | 200.00 | 6 | Jan. & July | Philadelphia | 1878 | | Staten Island: 1st Mortgage | 200,000 | 7 | Jan. & July. | New York. | 1886 | |
| let Mortgage guar | 200,000 | 1 | Jam a bury | . anisacipina | 1010 | | Stanstead, Shefford and Chambly | 200,000 | | oan a ouij | MOW A OIL | 1000 | |
| 1at Movtgage | . 226,900 | 6 | Feb. & Aug | . Boston. | 1878 | 95 | 1st Mort., Guar. by Cent. Verm | 500,000 | 7 | Jan. & July. | Boston. | 1887 | |
| and. Mansfield & Newark (B&O | 2,801,000 | 7 | Jan. & July | New York. | 1900 | 91 | Sullivan (Central Verm.): 1st Mortgage | . 500,000 | 6 | Jan. & July. | Boston. | 1875 | |
| 1st Mortgage guaranteed | a apostoo | 1. | 1000 | Transfer of the second | 1000 | 101 | 2d Mortgage | 250,000 | 6 | | a a a | 1881 | |
| 1st Mortgage, guaranteed | . 400,000 | 0 7 | March & Sept | New York | 1886 | **** | Sullivan and Erie: | 1 00 1 2 | 7 | Man & Man | | 1000 | |
| Sentional Mort | 310,000 | 0 7 | Jan. & July | New York | Var | | lst Mortgage, skg fund Summit Branch: | 1,000,000 | | May & Nov | New York. | 1886 | |
| Sectional Mort | 10.31 | 150 | 1 000 L 1350 | St. or Bushine | | | 1st Mortgage | . 800,000 | 7 | Jan. & July | N.Y., Bost.Ph | . 1904 | |
| 1st Mortgage (Bav.& Char.) | .) 500,00 | 0 7 | Jan. & July | New York | | *** | Sundury and Lewiston: | 2007 | 716 | Amel & Oct | D. C. J. L. | 1000 | į. |
| State guaranteed (C.& S.)bonds Funded Interest bonds, guar | . 505,00 | | March & Sept | New York | | | | 200,000 | 6 | April & Oct | rniadeipnia | 1891 | |
| wannah, Griffin & North Ala.: | and a | 10 | | 1 | | A late | Suspens, Bridge & Erie June, (E. | e e | N | 1000 1 1000 | de catallia | Lond. | |
| 1st Mortgage for \$500,000 guar. svannah and Memphis: | 152,00 | 0 7 | Jan. & July | . Macon. | 1891 | | 1st Mortgage Syracuse, Bing. & N.Y. (DL&W) | 1,000,000 | 4 | *************************************** | New York. | | |
| lat Mort., gold, endor. by State | . 16,000pm | 0 8 | May and Nov | . New York | 1890 | | 1 1st Mortgage | - 1 1 400 0001 | 7 | April & Oct | New York. | 1879 | |
| hanactady & Sugg. (D.&H. Can. | Y: | | | Lagrangian to | | | 2d Mortgage | 270,000 | 7 | April & Oct June & Dec | | 1887 | |
| let Mortgage gold, tax free hoolcraft & Three R. (LS&MS | 400,00 | 7 | Jan. & July | New York | . 1900 | | | 1 | | Feb. and Aug | hand a Teat I was | 1801 | ŝ |
| lat Mortgage | 100,00 | 0 8 | Jan. & July | . New York | . 1887 | | lst Mort. gold, for \$500,000 Tebo and Neosho (M. K. & T.): | 500,000 | | | A.U.A. box | 1 | |
| lat Mortgageaboard and Roanoke: | 810.00 | 2 0 | 0 506 1 1 LOS | TANK IN COUNTY | Ja. | | 1st Mortgage gold, skg fund Terre Haute & Indianapolis: | 1,163,000 | 7 | June & Dec | New York. | 1903 | |
| lst Mortgage | 210,00 | 1 | Jan. & July | New York | . 1880 | | Ist Mortgage | 800,000 | 7 | April & Oct | New York. | 1879 | b |
| let Mort. (guar. by Ala.) linia, Marion and Memphis: | 1,888,00 | 0 8 | April & Oct | New York | . 1890 | | Bonds of 1873 for \$1,500,000 | . 516,000 | | 4 4 | | 1894 | |
| lat Mort guar by Ala | 16.000 | n . | March & Sep | New York | . 1889 | and the | Texas and Pacific: | 1 0 | | June & Dec | NYOUT | 1010 | |
| lst Mort. guar. by Ala lma, Rome and Dalton: | | 1 | march ac sep | wild women the | 11 -01- | *** | Toledo, Can. Southern & Detroit | 10,000pm | 0 | * June & Dec | A.I. or Lone | - 1912 | 1 |
| let Mortgage, tax free | 8,000,00 | 10 | April & Oc | New York | 1887 | | lat Mostgage | . 1,350,000 | 7 | Jan. and July | | . 1906 | 1 |
| 2d Mortgage Equipment Mortgage | 4,000,00 | 0 1 | Jan. & July | | 1891 | | 1st Mortgage (Rastern Div.) | 1,000,000 | 7 | June & Dec | New York. | 1894 | 1 |
| hamokin Valley & Pettay (N.C. | .): | | - | A STREET | The same | | 1st Mortgage (Western Div.) | . 1,800,000 | 7 | Feb. and Aug | 4 4 | 1896 | 3 |
| lat Mortgage, on road and land | la. 2,000,00 | 10 | 7º Jan. & July | Philadelphi | a. 1901 | 97 | 2d Mort.conv.(" | 1 200 000 | 7 | Anni At Oct | 66 66 | 1886 | 3 |
| lat Mortgage, on road and land heboygan and Fond du Lac: lat Mortgage | 729,00 | 0 | 7 June & De | c. New York | . 1884 | 1 | Equipment Mort. sinking fund. | 1,500,000 | 8 | Jan. & July May & Nov June & Dec | 16 16 | 1879 | |
| lat Mortgage extension | 694,00 | | April & Oc | t. " " | 1896 | | 1st Mortgage (Burl. Branch). | 250,000 | 1 | June & Dec | | 1901 | ĺ |
| herango and Allegheny: | 205 A | | | Commence ! | | | Consol. Mort. for \$6,200,000 1st Mortgage (Burl. Branch) Toledo, Wabash and Western: 1st Mort. (Toledo and Illinoi | | 1 | Silver | A SENI ROLLINGS | 1 lotters | |
| lat Mortgage extension henango and Allegheny: lat Mortgage for \$1,000,000 henang Valley (Ct.). | 795,00 | N | 7 April & Oc | t. New York | 1880 | | 1st Mort (L. Erie Wab, & St. I. | 900,000 | | Feb. and Au | New York. | 1890 | 5 |
| THE BUT OF PERSONS ASSESSED TO SECOND | 00 200,00 | 00 | 7 April & Oc | t. New York | . 1891 | | lst Mort. (L. Erie, Wab. & St. L. 1st Mort. (Gt. West. Rwy of '5' 1st Mort. (Quincy and Toledo 1st Mort. Ills. & South'n Lowe | 2,500,000 | 7 | 4 4 | | 11838 | В. |
| Dan Line N V N H & Head | 200,00 | 20 | 7 Jan. & Jul | y- " " | 1902 | | . lst Mort. (Quincy and Tolede | 500,000 | 7 | May & Not | 4 4 | 1880 | 0 |
| let Mortgree construction | 200,00 | 00 | 7 March & Sep | t. Boston. | 1880 | | | a) 300,000 a) 2,700,000 | 1 ? | F. M. A. & N | | 1889 | ; |
| 1st Mortgage construction | and the last | 8 8 | NO 2509 1 | | 100 | 12 14- | 2d Mort. (Toledo and Wabasi | 1,000,000 | 1 | May and No | | 1878 | 3 |
| The Wife Surgerenter over one over | o o Lyanu, U | 100 | May and No | v. New York | | | 2d Mort. (Wahash & Western | 1 500 000 | 1 | | 4 4 | 1878 | 5 |
| Land Grant Mortgage gold | 000,00 | 00 | 7* 4 4 | S. Billy word | 1901 | | Equipment (Toledo & Wahasi | 9) 2,500,000 h) 600,000 | | | | 1885 | 8 |
| 2d Mortgage | 165,00 | | | | | | Consol. S. F. lat Mortgage | 2,610,000 | | F. M. A. & N | . 4 4 | 1889 1878 1878 1893 1883 1907 1891 | 1 |
| si - nx City and Pacific: | A dimension | arc | NO 754 CA | Amount in Ma | | 3. 3 | Consol. 2d mort. gold | 2,186,000 | 7 | Feb. and Au | t " " | 1893 | 8 |
| lat Morigage gold | 1,029,00 | 시 | Jan. & Jul | U.S. Treasu | K. /1890 | 51 | |). ara | 14 | Feb. and Au | Section will | 10 500 | ű. |

The Letter (a) affixed to Rate of Interest Signifies "Payable in Gold."

| Dept. Programme 19 | Description of Bonds. | Amount. | ate | Interest | | Due | Price | Description of Bonds. | Amount. | Rate | . Interest | | 1 |
|--|---------------------------------|-------------|------|---|----------------------|----------|-------|-------------------------------------|--|---------|--|--|--|
| 12 Mortegage (1987) 1987 1887 1898 1899 189 | TAR STELEGIESS | 528= | H | When. | Where. | | 1 | | 福報主義 | A | When. | Where. | A |
| See A Section 19 Mark 19 May 18 May 1 | | 89.700 | 7 | Jan & July | Trov | 1878 | 617 | Western Maryland: | **** | 37.5 | | D. Miles | 1990 |
| all Mortespen | and Boston. | 9-3-1-1 | | 23352731 | A THE REAL PROPERTY. | 11.1 | | 1st Mort. endor. by Balt | 200,000 | | and July. | Dalumore. | 1890 1890 1890 1890 1896 1900 |
| Selection Company Co | Mortgage | 300,000 | | Jan. & July. | New York. | | | 20 Mort. " | 200,000 | 6 | | CUBE SEASON | 1890 |
| 1,000,000 1,0 | Mortgage | 650,000 | | May and Nov. | | | | 1 2d Mortgago professed | | | Maria Contract Contra | | 1890 |
| The Section Assistant Print of the Company of the C | nvertible Bonds | 648,000 | | " | u u | | | 3d Mortgage endor, by Balt | 875,000 | 6 | | | 1900 |
| 125 Mortgage, parametriced 126 Mortgage, | , Salem & Rutland (R.& Sar.) | | 7 | Manager War | Man Park | 1000 | | 4th Mortgage | | | | | 1000 |
| 18 Mortgage, guaranteel. 60,000 6 Jan. & July. New York. 1879 18 Mortgage of the Company of Agric Lord. Philadelphia. 1001 | Union (and Denot): | 800,000 | | May and Nov. | New York. | 1990 | **** | Western Pacific (Cen. Pac.): | 0 705 000 | | Ton and You | War Wash | 1800 |
| Apr. | Mortgage, guaranteed | 680,000 | 6 | Jan. & July. | New York. | 1878 | | Western Pennsylvania (Penn.): | 4,100,000 | 90 | oan and July. | New Tork | 1000 |
| Secret Mortages of old, Archiver T. E. Color Archiver Archive | | 400 000 | | | | 1007 | | 1st Mortgage | | | Apr. and Oct. | Philadelphia. | 1893 |
| all Andreages (Inflate Services) | n Pacific: | 408,000 | | April & Oct. | Philadelphia. | 1901 | **** | I at morteage (Fittage, Manch). | 1,000,000 | 8 | | | 1896 |
| all Andreages (Inflate Services) | Mortgage gold, tax free | 27,282,000 | 66 | Jan. & July. | N. Y. & Bost. | 196-199 | 1051 | Western Union (Chi.M. & St. P.): | 1,200,000 | 134 | ************* | 9 4 4 84 | **** |
| Ad Mortages Shiking Pand. (4,180,00) 8 March & Seph. New York. 1906 100 120 120 120 120 120 120 120 120 120 | Mort. Land Grant | 7,404,000 | 7 | Apr. and Oct. | 4 4 | 1887 | 103 | 1st Mortgage for \$5,000,000 | 3,500,000 | 7 | Jan. and July. | New York. | 1896 |
| Age | Mortgage (Gov. subsidy) | 14 188 000 | - 8 | Jan. & July. | U.S. Treasury. | 196-199 | 073 | | 400.000 | 25.5 | | Laure Land | 1888 |
| Age | maha Bridge Bonds Sterling. | 2,279,000 | 80 | Apr. and Oct. | London | 1896 | | 1st Mortgage. | 1.000.000 | | Jan. and July. | Camden. | 1896 |
| 100,000 100, | on Pacific (Central Div.): | | | 3, 100 | | | | I Inc more wave (patein) ville | 1 11RJ, URJU | 6 | | Philadelphia. | 1878 |
| 100,000 100, | Mortgage gold, tax free | 1,600,000 | 60 | May and Nov. | New York. | | | 1st Mort. (Swedesboro') guar | 200.000 | | June & Dec. | Camden | **** |
| 1st Mortgage, 2st | on Pacific, S. Br. (M.K.& T.): | 1,000,000 | 0 | Jan. & July. | U.S. I reasury. | 30-1-0 | **** | Consolidated Mortgage | 1 000,000 | 7 | Apr. and Oct. | political control | 1890 |
| 15 Mortgage | Mortgage gold, akg fund | 3,220,000 | 60 | Jan. & July. | New York. | 1899 | | West Wisconsin: | F 3. 4. | 1. | | Service . | 1.80 |
| March & Sept. Publishelphia 1001 1004 1007 100 | on & Titusville, P., T. & Buff. | | 18 | 1 Diene | 5 6 | | | 1st Mort. land gr., gold skg fund | 3,900,000 | 70 | Jan. and July. | N.Y. or Lond. | 1887 |
| Loan of 198 France Loan | Mortgage | 500,000 | 7 | Jan. & July. | New York. | 1890 | 50 | lst Mort. (Sonthern Extension). | 640,000 | 70 | de la marilla ministra | Of All | 1902 |
| Section Sect | oan of 1901 (United Compan's | 3,000,000 | 6 | March & Sept. | Philadelphia. | 1901 | 1031 | lst Mortgage | 1.021.840 | 0 | Peh and Ang | Cincinneti | 1890 |
| Section Sect | erling Loan £369,200 (U. Co's | 1,846,000 | 50 | B 44 44 | | 1894 | | Wico Mico and Pocomoke: | - Quiting | 10 | Pob. and Zeug. | Ometimet. | 534 |
| Can of 1888 (Utiled Company) 140,000 6 Feb. and Assg. " 140,000 6 150,000 7 150,00 | erling Loan £360,000 (" | | | | Dhu-day 1 | | **** | 1st Mortgage | 200,000 | 6 | Jan. and July. | New York. | 1888 |
| Sond to State of N. Jer. (LD Co.) 500,000 (Due 90 days) after demand.) 5 | oan of 1888 (United Compare | | | | r nuadelphia. | 1888 | 96 | lat Mortgage | 250.000 | | May and Man | War Yes | 1900 |
| Stort S. F. 2020,000 (C. & Am.) 1,510,000 60 Feb. and Airy 1,500,000 7 Jine & Doc. Baltime 1,500,000 7 | and to State of N. Jer. (U.Co's | 500,000 | 7 | (Due 90 days | after demand. | | | Wilmington, Colum. & Augusta | 600,000 | 8 | may and Nov. | LACK TOPE. | 2500 |
| Control 1885 Clamednek Arabyy 1,200,000 0 | erl'g S.F. £262,000 (C. &Am | 1,310,000 | 6 | | London. | 1880 | | 1st Mortgage | | 7 | June & Dec. | Baltimore. | 1900 |
| Mortgage | | | | June & Dec | Philadelphia. | 1883 | | Wilmington and Reading: | BEEL! | | 55 4 1 1 1 | Charles and the second | 1000 |
| Loan of 18 (N. J. R.R. &T. Co.) 640,000 Feb. and Aug. New York. 1873 Willimington and Weidon. 648,700 66 Jan. and July. London 100,000 7 May and Nov. New York. 1873 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 7 May and Nov. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 66 Jan. and July. New York. 1875 1880 Sterling Bonds. 648,700 7 May and Nov. 648,700 7 May a | ortg. Loan (" " | 5,000,000 | 6 | May and Nov. | Philadelphia | | | 2d Mortgage coupon or regis | | | Jan and July | Philadelphia. | 1900 |
| Bond to State of N. J. (do.) 100,000 7 Apr. and Oct. N. Y. (Over Due.) Sterling Bonds. 21,600,000 7 Apr. and July. Sterling Bonds. 21,600,000 2 Apr. and July. Sterling Long guaranteed. 24,600,000 2 Apr. and July. 2 Apr. and | oan of '78 (N.J. R.R. &T. Co | 450,000 | 6 | Feb. and Aug. | New York. | 1875 | | Wilmington and Weldon: | 1,100,000 | 1 | out. and outy. | 1000 000 | 1 |
| 18th Mortgage 1,000,000 6 Jan. & July, Salt Lake City 1890 1801 1 | and to State of N. J. (do.) | 100,000 | 7 | Apr. and Oct. | N. Y. (Over | Due.) | | Sterling Bonds | 648,70 | 60 | Jan. and July. | London. | 1881 |
| 18th Mortgage 200,000 7 3 3 3 4 3 1 5 5 5 5 5 5 5 5 5 | | 1.000.000 | | Jeo & Tuly | Balt Take Olty | 1900 | 1.0 | Sterling Bonds | 221,400 | 70 | May and Nov. | | 1886 |
| 18th Mortgage 200,000 7 3m. & July 8ult Late City 1911 3m. & July N. Y. & Uitea. 1818 1 | | 2,000,000 | 1 | van. & omy. | Date Land Oley | TOBO | | Wilmington and Western (Del.): | 149,00 | 276 | Jan. and July. | New York. | 1896 |
| 1 | t Mortgage | 660,000 | 7 | Jan. & July. | Salt Lake City | 1891 | | lst Mortgage | . 500,000 | 7.5 | J. A. J. & C. | Phil. & Witm. | 1892 |
| Bonds of 1871 (2d issue) 518,000 7 | | 000 000 | | 113 9 128 | N | 1000 | 1000 | Willough of Dr. Peter (C. of N. W.) | CT CD S. Val. 6 | 100 | 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | march 4 S. II | 120 V |
| Section Sect | | | 1 4 | Jan. & July. | N. Y. & Utica. | 1878 | | 1st Mortgage \$20,000 p. m | 2,750,00 | 7 | Jan. and July. | New York. | 1887 |
| Section Sect | a, Ithaca and Elmira : | | | | TAR IN | TOOL | | Extension mortgage bonds | 4.875.00 | | | | 1906 |
| 1st Mortgage sinking fund. | t Mortgage, Sterling | 1,500,000 | 7. | 3 Jan. & July. | London. | 1902 | **** | I VV INCOMMIN CAPITRAL: | and the second | | | | 100 |
| 18th Mortgage shinking fund. | mont Cent.—Bee Central Vt. | | 1 | 1 | 6 . 6 55 | | | lst M. L. G.,gold S. F. 25,000pn | 4,618,50 | 70 | Jan. and July. | Boston. | 1901 |
| Convertible Domain. 100,000 7 | t Mortgage sinking fund | 550,000 | 6 | Jan and July. | Boston. | 1888 | 104 | lat Mortgage | 910.00 | | Inn and Yole | Determine | 1891 |
| Convertible bonds. 160,000 7 | onvertible bonds, tax free | 200,000 | 7 | " " | u u | 1879 | 104 | Worcester and Nashua: | 210,00 | 0 | Jan. and July. | Dalumore. | Ider |
| Part | onvertible bonds | 150,000 | 7 | | 4 | 1885 | 1691 | Plain Bonds | . 125,00 | 0 7 | Jan. and July. | Boston. | 1881 |
| Series (blue) Series (blue | | W17 500 | 1 - | Ton and Total | Distradalable | 1000 | 113 | Plain Bonds | | | | | '81-' |
| Mortgage 3d series (black) 138,000 7 Apr. and Oct. 1890 18 | eneral 2d series (blue) | | | an. and July. | rintadelphia. | | | | 250,00 | 7 | Apr. and Oct. | (US) (EX 61) | 1896 |
| Special Loan 1871 | | 138,000 | 7 | e u | 62 48 32 | 1890 | - | CANAL BONDS. | 2541 | | 0.00 | Tok Sales | 100 |
| The land of the Mortgage tax free | 4th series (not end.) | . 1,141,700 | | | 40.00 | | | | 1000 | 1 | 0.00 | Gastin Control | 23 |
| 1st Mortgage tax free 780,000 7 Apr. and Oct. New York 1890 Preferred Bonds (gazt lien) 1,998,500 5 Jan. and July 1,998,500 6 Jan. and July 1,998,500 7 Jan. and July 1,998,500 3,598,500 3,588,500 3, | | . 213,000 | 8 | Jan and July | 134,433 | 1880 | | lst Mortgage sinking fund | 1,993,75 | 0 8 | Jan. and July | Philadelphia | 1886 |
| Sol Mortgage | t Mortgage tax free | 750,000 | 7 | Apr. and Oct. | New York. | 1890 | | Sterling Loan guaranteed | 4.875.00 | 0 6 | J. A. J. AO | London | 1890 |
| Sol Mortgage | ginia & Tennessee (A.M.& O. | 15054 | 1 | · · · · · · · · · · · · · · · · · · · | DIE HERE | 1日3 | 100 | Preferred Bonds (next lien) | 1,699,50 | | | | 1885 |
| Segistered Certificates 116,000 | Mortgage | | | Jan. and July. | N.Y.&Lynch | | | Delaware Division (L.C. & N.): | | 421 | 2 2 | Dan | 1000 |
| | h Mortgage | | | March & Sept | | | | Delaware and Hudson: | - 800,00 | 0 6 | Jan. & July | Philadelphia | 1878 |
| Start Star | egistered Certificates | 116,000 | 8 | | | 1875 | | 1st Mort. (1st series, Nov. 1, '6 | 7 1,500,00 | 0 7 | May and Nov. | New York. | 1877 |
| Start Star | unded Interest | . 210,000 | 8 | | | 1880 | | regis- 2d series, July 1, 186 | 9 3,500,00 | | Jan. and July | | 11884 |
| Start Star | Mortgage gold to | 810 500 | 1 " | a Apr and Oat | New York | 1001 | 1 | Coupon bonds of 1874 | 5,000,00 | | 14.00 | | 1891 |
| lat Mortgage, guaranteed | rren (D. L.& W.): | | 1 3 | 1.501621 | 15 5 MB | 2 50 540 | 100 | Registered bonds of 1874. | 2.000,00 | 0 3 | Apr. and Oct | 24 8 | 1894 |
| 2d Mertgage, guaranteed | at Martgage, guaranteed | 511,400 | 7 | Feb. and Aug | New York. | 1875 | | Lehigh Coal and Navigation: | 2,300,00 | - | | B 8 3 1 4 8 | 100 |
| 18 | Mertgage, guaranteed | 750,000 | 7 | May and Nev | 10000 | 1900 | 106 | Loan of 1877, Debentures | 762,77 | 9 8 | June & Dec | Philadelphia | 1877 |
| 18 Mortgage | t Mortgage assumed | 1,500,000 | 1 | Reb and Ann | Philadelphia | 1989 | 80 | Convertible Loan gold | 771.00 | 6 | March & Cont | · 20 年 4 | 1882 |
| 1st Mortgage 1st | rwick Valley (Erie): | -10.000 | 1 | 1 2 5 5 6 4 5 G | 1000000 | 10.3. | | 1 tat Mortgage vogistaged | | 3 6 | J. A. J. & O | 200 | 1884 |
| 18 | t Mortgage | 60,000 | 7 | Apr. and Oct | New York. | 1880 | | lat Mortgage, reg. (R. R.) | 2,000,00 | 0 6 | JF. M. A. & N | POLICE WAS THE | 1897 |
| 1st Mort (O, Alex. & Manassas) 1,650,000 7 3m. and July. Baltimore. 1882 634 1891 1891 1891 1st Mort (Orange & Alexandria) 36 May and Nov. 1873 1875 73 1876 73 1876 74 1891 1876 74 1891 1876 74 1891 1876 74 1891 1876 74 1891 1876 75 1891 1876 75 1891 1876 75 1891 1876 75 1891 1876 75 1891 1876 75 1891 1876 75 1891 1876 75 1891 | st Mortgage | 150 000 | 10 | Mar 1 W | Now York | 1000 | 0 | Mortgage (equip.) Loan, gold | 4,668,50 | 0 6 | June & Dec | | 1807 1911 |
| 18 Mort (0., Alex. & Manassas 1,00,000 7 | ish gion Uliv. Va. Mig. & Gi. N | 1 -3750 | 1 | May and Nov | New 10rk. | 1999 | | Greenwood Mortgage Loan | 717.00 | 0 7 | Feb and And | | 1892 |
| 24 Mort | st Mort. (O., Alex. & Manassa | 1,650,000 | | Jan. and July | Baltimore. | | 634 | Greenwood Mortgage Loan | 140.00 | 0 8 | | The state of the state of | 1877 |
| 2d Mort " 1,200,000 6 Jan and July " 1876 73 1876 73 1876 73 1876 74 1876 74 1876 74 1876 75 1876 75 1876 76 1876 76 1876 75 187 | | | 1 | | a a | | | Mononganela Navigation : | | 200 | Part Cont | | |
| May and Nov. 1873 60 1st Mortgage 600,000 6 Apr. and Oct. Philadelp 11 11 12 11 12 12 13 13 | d Mort | 1,200,000 | | Jan and Inter | • | | 79 | Morris (and Banking) | 103,00 | 0 | Jan. and July | New York. | 1887 |
| 4th Mork " ' ' 700,000 8 March & Sept. " 1880 33 Boat Loan, sinking fund | d Mort | 600,000 | 8 | | - 4 | | 60 | 1st Mortgage | . 500,00 | 0 8 | Apr. and Ost | Philadelphia | 1876 |
| Freferred Stock Dividend Scrip 103,164 7 Jan. and July 1896 181 Mort, (Lynchb)'g & Danville) 72,060 7 7 7 7 7 7 7 7 7 | th Mort. " | 700,000 |) 8 | | 44 | | | Boat Loan, sinking fund | 236,96 | 6 7 | Apr. and Oct | A STATE STATE OF THE | 1899 |
| Virginia State Loan | | | | A | • | 1000 | | Preferred Stock Dividend Scrip | 103,16 | 4 7 | Jan. and July | A PARTY | 1887 |
| 18 | Virginia State Loan | 249,962 | 2 : | Jan, and July | a contract of | | | 1st Mortgage ske fund oper | 2 805 00 | 0 0 | Jan. and Jule | Philadelphia | 1910 |
| 18 Mortgage | ashington and Ohio: | 3 3 3 20 | 1 | 455755 | F 8 11 | 1 | 1 | 1st Mortgage (Wy. Val. Can.) | 600.00 | | " and ouly | d phia | 1878 |
| 180 | st Mort. (Alex., Lou. & Han | 47,000 | | | | 1898 | | Schuylkill Navigation(Ph.& Rdg | : | - 13 | 100 | ACTURATE STORY | 155 |
| General Mortgage, tax free 1,100,000 7 Apr. and Oct. Philadelphia 1891 111 Improvement bonds 220,000 8 May and Nov. 4 Western North Carolina 156,550 6 8 Boat and Car Loan 756,550 6 6 Boat and Car Loan 756,550 6 7 Coupon Bonds 1,200,000 6 May and Nov. 4 Western of Alabama 1,200,000 Ma | st Mertgage for \$9,000,000 | 255,500 | 1 | Apr. and Uct | | 1901 | 35 | 18t Mortgage | . 1.714.39 | 0 6 | March & Sept | Philadelphia | 182- |
| Second Car Loan 1890 189 | eneral Mortgage, tax free | . 1.100.000 | 0 . | Apr. and Oct | Philadelubro | 1891 | 111 | Improvement bonds | 200,00 | 0 0 | May and Nor | per later 2 | 182-1 |
| lat Mortgage 182,000 8 Jan. and July 1890 Boat and Car Loan 621,600 7 4 4 4 4 4 4 4 4 4 | estern North Carolina | -,, | 1 | The said Oct | - maderpate | 32151 | 20 | Boat and Car Loan | 756.65 | 0 6 | " and 140V | MUDIS PARTY | 1913 |
| 1st Mortgage (Western R.R.) 000,000 8 Apr. and Oct. New York. 1888 Susquenanna and Tide Water: 1st Mortgage (M.& W.Point R.R.) 750,000 8 4 4 4 4 1881 2d Mortgage (Maryland Loan). 1,000,000 6 Jan. and July. Phila. & 1 2d Mortgage (Consols guar.) 1,188,000 8 4 4 4 4 1900 3d Mortgage (Susqueh. Canal) 1,311,000 6 4 4 4 1900 1,188,000 8 4 4 4 4 1900 1,188,000 8 4 4 4 4 1900 1,188,000 8 4 4 4 4 1900 1,188,000 8 4 4 4 4 1900 1,188,000 8 4 4 4 4 4 1900 1,188,000 8 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | st Mortgage | . 850,000 | 0 1 | Jan. and July | | . 1890 | | Boat and Car Loan | 621.60 | 0 7 | 4 4 | demand 15 | 1915 |
| 1st Mortgage (M. & W. Point R. R. 750,000 8 " " " 1881 2d Mortgage (Maryland Loan) 1,000,000 6 Jan and July Phils. & 1 2d Mortgage (Consolis guar.) 1,188,000 8 " " " 1990 3d Mortgage (Susqueh. Canal) 1,211,000 6 " " 200,000 8 Various, " " Var Pref. Int. Fids (") 324,010 8 " " " 1881 200,000 8 " " " 1881 200,000 8 " " " 1881 200,000 8 " " " " 200,000 8 " " " " " 200,000 8 " " " " " " " 200,000 8 " " " " " " " " " " " " " " " " " | st Mortgage (Western P P | 600,000 | 1 | Ame and Out | Now Val | 1900 | | Susquebanne and Tride Wester | 1,200,00 | 0 6 | Jan. and July | 100 | 1895 |
| acorregage (consols guar.) 1,188,000 8 " " " " " " 1900 3d Mortgage (Susqueb. Canal) 1,311,000 8 " " " Tacome Mortgage (Susqueb. Canal) 1,311,000 8 " " " Var Pref. Int. B'ds (" ") 324,810 8 " " " | st Mortgage (M.& W.Point R. | 750,000 | ol i | apr. and Oct | New York. | | | 2d Mortgage (Maryland Loan) | 1,000,00 | 0 0 | Jan. and John | Phile & Pate | 1885 |
| Ancome Mortgage 802,900 8 Various, " Var Pref. Int. B'ds (" ") 324,810 9 " | d Mortgage (consols guar.) | . 1,158,000 | 0 8 | 8 4 4 | | | | 3d Mortgage (Susqueh. Cana | 1,311,00 | 0 0 | 46 | 1 1 66 | 1878 |
| Western Linear Company to the first and the | acome Mortgage | 802,900 | 0 | 8 Various. | 4 A | | | Pref. Int. B'ds (h | 324,81 | 0 0 | | William I by | 1894 |
| Ist Mortgages | ist Mortgage | 0.000 | 1 | | 605555 | 1 | | Union: | 1 1 1 m | sa di | 8 50 NA TO 1 | DEN . | 1 |
| lat Mortgage 1875 Ist Mortgage West Branch & Susque (Penn.): 8,000,000 6 is a not July Philadelp West Branch & Susque (Penn.): 450,000 6 Ist Mortgage 1875 Ist Mortgage West Branch & Susque 1875 Ist Mortgage 1875 Ist Mortgage West Branch & Susque 1875 Ist Mortgage West Branch & Susque 1875 Ist Mortgage Ist Mortgag | Real Estate Bonds Sink For | 1.498.000 | A P | T- 44 | | | | West Branch & Specie (Penn) | Company of the compan | 60 (20) | EL CONTRACTOR DE LA CON | A CONTRACTOR OF THE PARTY OF TH | 7 19 |
| Real Estate Bonds, Sink. Fund. 1,498,000 7g " " 1902 West Branch & Susque. (Penn.): Bonds (S. F.) Qonv. till May '85 3,988,000 7 " " 1900 102 1st Mortgage | Bonds (S. F.) Conv. till May | 3,988,000 | 0 | 7 4 4 | 1855555 | | 100 | | 450.00 | 0 4 | Jan. and Jaly | Philadelphia | 1931 |

| _ | | Dividends. | 12 | 0 | - mt 04 | 1 = 9 | 000 | 200 |
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| 4 | 200 | Net | 597 | 3 | 862,07 | 16.30 | 68,89 831,00 | 101,96 672,86 |
| Ramings | 10 10 | Gross. | 10.0 | 200 | 1,802,076 2,890,688 | 270,965 | 1,520,858 | 8,013,660 |
| orla | 10 S & | Freight. | Tons. | | 2,054,995 | 118,477 | 262,382 | 68,690 |
| Operations. | 19.0 | Passen- gers, | Number. | 000,00 | 694,858 | 26,968 | 118,872 | 44,728 |
| - 17 | ind a 165 | Trains Moved | × | Onco in a | 920,841 1,468,080 | 78,120 | 1,104,478 | 4,108,206 |
| 725 | R | ailroad of | z | 92.8 | 200.0 | 168.0 | 711.6 | 86.7 |
| .124 | T 10 | Surplus Income. | 414.4 | | THE REAL PROPERTY. | 101 101 | den de | 83,364 |
| orit. | lities. | Accounts. | da da | 0 | 2,882,590 | 893.210 | 187,062 | 8,880 |
| ce Sheet. | Liabi | Bonds. | etter. | 1,600,000 | 4,284,000 | 1,820,000 8,750,000 | 14,446,500 | 88,000 68,994,811 |
| ral Balance | D. | Stocks | 114 B | 2,000,000 | 2,166,500 | 620,000 | 1,617,582 8,615,000 | 1,232,300 |
| of General | 73 | Accounts and Cash. | in di | | 1,090,139 | 1,401,887 | 298,767 | 267,008 |
| Abstract | sets. | Assets. | - Marie . | 1.000,000 | 2,228,884 | 245,717 | 409,210 | 4,182 |
| - | ty and A | Rolling Stock. | OB A | nat de | 00 00 | 400,808 | 1,224,160 | |
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| 96 | Net | 900 | 862.074 | 984,642 | 210.866 | 681,008 | 101,966 672,866 826,828 | 678,606 8,108 | 1,173,656 df 82,981 | 73,000 | 229,522 | d210,167 | 48 080 | 70,000 | 86,000 111,735 | 226,405 | 8,00 9,00 1,000 1, | 38,062 | 162,012 131,021 607,978 | 447,236 | 4.000 | 961,819 | 233,100 | 802,110 | 81,150 81,150 51,674 | 207.642 44,915 | 146,902 | 791,100 4,875 158,754 | 199,832 | 16,198 |
| 0 3 | Gross. | 88,947 | 1.802.076 | 2,890,688 | 270,986 | 1,520,358 | 8,013,060 906,800 | 1,782,463 | 1,071,968 | 78,000 | 946,817 | 959,164 | 1. | 48,220 | 818 | 875,802 | 202,524 | 1,119,517 | 1,209,678 2,288,740 | 1,681,268 | 20 000 | 161,707 | 613,176 | 1,811,877 | 270,509 | 1,059,066 | 41,070 | 634,099 | 2,886,5361 | 7,411,636,2,880,772 |
| | Freight. | Tons. | 0.000 | 2,054,995 | 142.882 | 262,382 | 4,420,421 | | | | | 9: 6 9:6 | | 877,663 | 22 | | 60,165 | 04,584 769,412 | 517,831 647,374 | 41,054 | tract-No | 164,110 | 818,468 | | 138,698 | 118,781 | 89,217 | 122,744 | 0.746 | 3,528,529 |
| 9/14 | Passen- | Number. 81,045 | | 694,858 | 26,968 | 72,942 | 962,202 | | 171,864 | | | 1 090 706 | 2,000,000 | 12,202 | 10 | | | 140,832 | 228,634 2,081,573 4,906,779 | 3,624,877 | | 76,968 | 229,464 | | 63,001 | 572,690 | 41,305 | 30,406 | 115,173 | 1,456,944 |
| Sm. | Trains Moved | 74,000 | 920.841 | 458,080 | 281,763 | 104,478 | ,108,206 | | 842,006 | 9 7 | 745,148 | 196,760 | nachana. | 47,301 | 22 | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 168,888 | 661,207 912,424 576,575 | 145,756 | (Operat ec | 161,782 | 480,039 | | 268,908 | 235,148 | 867,902 | 110,099 | 946,959 | 298,588 |
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| 70 | Surplus Income. | - | 1 | 0000 | 3 9 | 100 00 | 83,364 | | | | 864,075 | 64 81 81 | | | | II | | 10,960 | 296,306 296,216 018,278 | 32,434 459,178 | | 692,108 | | II | 88,642 | 209,984 | | | Ī | 8 1981,861 |
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| eta, | Assets. | 46 | 000,000, | 161,664 | 245,7171 | 400,210 | 974,138 | | | 000 | 34,010,080 4 | 194 048 | Dayles | 000,000 | 304 | 27,887 | 6,000 | 4 | 1,755,790 795,711 1,062,880 | 896,669 | 11 | 91,718 | 893,197 | | 438,816 | 123,830 | | | 2,442,102 | 16,226,474 4,4 |
| and Ass | Rolling Stock. | 4 | | 000.2 | 400,808 | 224.160 | 9 | • • • | | | * 34 | 010 808 | 1. | - | 1 | • | | | 105,442 187,779 L.C | - | 94 | 0 0 | 920,111 | : | 71,812 | 184,947 | | | 2,4 | |
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| - | FF | CHIPPINE. | | Philadelphia S | | | | | donfi |
|------------|--------------|-----------------------|--|---|---------|---------|---------|-----------|-------|
| 49 | | Market. | | Closing Prices for th | he week | endin | n July | 91 | |
| | 80 | Par. | *************************************** | Allegheny Val. 7 8-10s. | | | at. 28. | M.80.1 | Pu.3 |
| _ | D | vidends. | <u>6</u> <u>2</u> <u>3</u> <u>3</u> | 7s, Income Camden & Am. 6s, 1883 | | *** | **** | 104! | ** |
| 1 | ALC: | Net | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 08, 100M | **** | **** | **** | **** | |
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| 1 | | Gross. | | 1st mortgage | **** | **** | | | |
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| 1 | 1 | | | Preferred | **** | **** | **** | **** | ••• |
| | 6 | Freight. | 25.96 (20.00 mm) (20.0 | 7s, new Del. & Bound Brook | | 106 | **** | | |
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| 4 | 0.1 | | · W · W · · W · · W · · D · · O · · · · · · · · · · · · · · | Elmira & Williamsport | **** | **** | •••• | **** | |
| Operations | 6: | Passen- | 72,038 176,573 176,530 216,530 20,646 90,844 46,05 34,130 46,017 46,017 | Hunt. & B. Top Mt | **** | | | | ** |
| 2 | 21 | gers. | 72,66 178,67 874,18 876,14 87,41 67,41 67,41 67,41 67,41 67,41 67,41 69,97 99,80 99,80 145,02 145,03 145,03 342,18 | Preferred | **** | **** | **** | | •• |
| 2 | | | | 2d mortgage | | 17 | 178 | **** | |
| - | E | Trains | M. 97,104 97,104 97,104 97,104 97,104 97,104 10,009 10,002 10,002 10,003 11,003 11,003 | 08, 1884 | - | | 178 | 174 | ** |
| 1 | | Moved. | 844, 884, 884, 884, 884, 884, 884, 884, | Gold Loan 87 Railroad Loan | | **** | **** | 87 | •• |
| _ | _ | | | Conv. Gold Loan Lehigh Valley 83 | 34 | | **** | **** | |
| | | alroad erated. | M. 158 118 118 118 118 118 118 118 118 118 | 6s, new, coupon | 1091 | 84 | 841 | 34 | 8 |
| - | - I | | 119111111111111111111111111111111111111 | 6s, new, registered109 | **** | **** | | | |
| | | Surplus | 25,44 97,72 220,096 73 12,17 1 | Consol, mort. 6s | | **** | | **** | ** |
| 1 | | Income. | 582 222 222 222 222 222 222 222 222 222 | Little Schuylkill Minehill & Sch. Haven | 43 | 42 | 42 | **** | |
| 1 | | - | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | North Pennsylvania 1st mortgage 6s109 | **** | **** | | 100 | |
| 1 | 4 | Accounts. | 439,779 1,206,240 1,206,240 10,000 20,000 20,000,000 20,000,000 20,000,000 20,000,000 20,000,000 20, | 2d mortgage 7s | **** | 109 | **** | 107 | |
| 1 | Liabilities. | | 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | Gen'l mort. 7s, coup Gen'l Mort. 7s, reg | **** | | **** | **** | |
| | E | | 188684888888888888888888888888888888888 | Northern Central | | | **** | **** | |
| | 3 | Bonds, | ************************************** | 1st mortgage | 291 | 291 | 281 | 27 | |
| I | 1 | 1000 | L & 8144 & 00040 1 0004 0044 | Gen'l mortgage | 1 00 | | | **** | : |
| 1 | 1 | 5 3 3 3 7 | 040000000000000000000000000000000000000 | Gen'l mort. reg Consol. mort. 5s, reg | | 1061 | **** | 106 | |
| 1 | | Stocks. | ************************************** | Penn. & N.Y. Canal 7s Penn. State 6s. 2d series | **** | **** | | | i |
| 1 | | E24 1 1 1 1 1 1 1 | 20 20 20 20 20 20 20 20 20 20 20 20 20 2 | do. 3d series | iii | **** | **** | **** | 1 |
| I | | | 1.000 | do. 5s, new Philadelphia City, 6s | **** | **** | | | 1 |
| l | | Accounts nd Cash. | 88,386 88,386 88,386 88,386 80,787 112,277 104,713 106,000 104,000 10 | 6s, new | | 1111 | 1114 | 1121 | i |
| I | | 100000 | | Phila. and Reading 11 | 12 | 12 | 12 | 12 | |
| I | 1 | 52:113 | 1 1 2 2 1 2 3 1 2 3 1 1 2 3 1 1 3 3 1 1 3 3 1 1 | 7s, of 1893 | **** | 108 | **** | **** | |
| | te. | Assets. | 43,048 43,048 43,048 43,048 8,772,812 893,904 8,011 101,834 83,900 94,068 803,846 10 Unit | 7s, new convertible Gen't mortgage 7s | | 954 | 951 | 48 954 | |
| 1 | Assets | 100 | 8 9 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Gen'l mortgage, reg | 954 | **** | | | |
| | | Rolling | 339 339 339 339 339 339 339 339 339 339 | Philadelphia and Erie 1st mortgage, 6s | | **** | **** | *** | |
| | and | Stock. | 186,600 186,600 187,112 187,112 187,800 187,600 187,600 187,600 187,600 187,600 187,600 187,600 187,600 187,600 187,600 | 2d mortgage, 7s Pittsb., Cin. & St. L. 7s | **** | **** | *** | **** | |
| ı | E. | | - 1 | Pittsb., Titusv. & Buff 61 | **** | 61 | | **** | • |
| 1 | Property | | 22222222222222222222222222222222222222 | Schuylkill Navigation | **** | **** | | 56 | |
| 1 | A | Bailroad. | 20000000000000000000000000000000000000 | Preferred | **** | **** | **** | **** | |
| ı | | | - 4 - 4 0 - 4 0 - 4 0 - 4 0 0 0 0 0 0 0 | 6s, 1872 | **** | **** | **** | 534 | |
| | | FEDRON | 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 68, 1895 | **** | | | | |
| | | 10 P. | N. N | Hestonville, (Horse) | 131 | 131 | **** | 1304 | |
| | | 1844 | N. V. | Chestnut & Wal. (do.) | **** | | **** | 4 | |
| | | | New | Green and Coates (do.) | | **** | *** | **** | |
| | | 4 | A Washill Valley (Erie). Ware River (B. and M.). Ware River (B. and M.). Ware River (B. and M.). Ware Millog and Ohlo (B. Guthern (M. and Jordan and Jordan and Washill Washer). Washerd Chester and Philadelphia. Western And Atlantic (B. and M.). Western Maryland (B. And M.). Western North Qarolina (B. D.) (Western Maryland (B. D.) (Western Town (M. and Bl. P.). Whis (Western Town (M. and Bl. P.). Whis (Western Town (M. and Bl. P.). Whis (M. And M. And M | Lombard & S'th.(do.) 2d and 3d streets (do.) | **** | **** | **** | **** | |
| | | nje | Brunder G. C. | Spruce and Pine (do.) | | | | **** | |
| | | Companies. | Heb. A. | 13th and 15th sts (do.) | **** | **** | **** | **** | |
| | | 0 | Truckee. B. and M.A. B. and W.A. B. and W.A. B. and W.A. Jordan Jordan Jordan Jordan Jordan Jordan Jordan Jordan A thatic f. Labanta f. Water Val Water Val Water Val Water Cal I Somerae. B. A. Balt(Ba B. Balt(Ba Baltan Can Baltan Can Baltan Can Baltan Can Ravigation Ravigation Ravigation Ravigation | Baltimore Sto | | | | | |
| | | 15.00 | Alabana and de la | Closing Prices for the | he week | endin | ng Jul | y 31. | |
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| | | 19859 | mile am (1) Va Sheep She | 6s, 1880101§ | **** | 101 | | | 1 |
| | | 11-188 | Waikili Waikili Waikili Waikili Waaking Waaking Waahing Waahing Waahing Waaking Waaking Waikili Waiking Waiking Waiking Waiking Waiking Waiking Williaming Waiking Williaming Williaming Waiking Williaming Williaming Waiking Waiking Waiking Williaming Waiking Waikin | Central Ohio | **** | 1001 | **** | **** | |
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| | Cars. | B. M. E. | | 3d mortgage, 8s 11 | **** | **** | **** | | |
| ŀ | 1 | Pass. | | Northern Central | 13 | | *** | 13 | |
| 1 | 1 | Engines. | - 4 4-14 45 45 42 43 1 | 2d mortgage, 6s 1885 3d mortgage, 6s, 1900 6s, 1900, Gold | **** | **** | **** | **** | - |
| | | ilroad in | - 1 424 08887 0 8088 Lus 184 24 0 1 | Orange and Alex. lat | **** | 85 | | **** | |
| | | rogress. | 82.8 27.2 20.7 20.7 116.1 116.1 | 2d mortgage, 6s | **** | | | | |
| Í | 2d | Track and | | 4th mortgage, 8s | ** | **** | **** | **** | |
| - | - | Sidings. | 4-0404.01.02.20.20.20.20.20.20.20.20.20.20.20.20. | 4th mortgage, 8s | **** | | **** | **** | |
| p. | Br | anch Line. | 914 (1019) (110000) | Pittsb. & Connellsv. 7s Virginia 6s, Consol 48 | 681 | **** | 631 | 91 e31 | |
| 1 | - | Main Line. | | Consol.Coupons 80 | | 801 | | | |
| - | - | manti Lille, | 1842 1844 | Deferred Certificates. 5 Western Maryland | **** | **** | **** | **** | |
| - | | 20233 | 8 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1st M., end. by Balt 2d M., do 8d M., do | **** | **** | **** | | |
| - | | | | 24 M., 40. | **** | **** | | **** | |
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| - | | rears ending | Dec 21, 157 Bopt, 20, 187 Bopt, 20, 20, 20 Bopt, | 1st M., unendorsed 2d M., end. Wash. Co | **** | **** | •••• | **** | |

| New York Stock | veek | ending | Aug. | | 00 | New York Sto Closing Prices for th | ie week | endin | g Aug. | 1.00 | Jan | New York Stock Exchan Closing Prices for the week ending |
|--|-----------|-----------|------------|-------------|---|---|------------|--------|--------|----------|------------|--|
| Adams Express | | nt.28. h | 4.30.T | u.3L 991 | W.1. | Th.26 | P.27.8 | 4.28 M | L30.Tu | .31. | W.1. | Th.26. F.27. Sat.28 M.3 |
| 1st mortgage | *** | | **** | •••• | 64 | New Jersey N.Y., N. Haven & Hart North Missouri 1st M101 | | **** | 150) | | | II B 4s 1907 year 1081 |
| 2d mortgage | | | **** | | | Onio and Mississippi 31 | | 3 | 3 | 31 | 31 | U. S. 4s, 1907, coup |
| Am. Dock and Imp. 7s | ••• | 45 | | **** | 46 | r referred | ACCOUNT OF | 6 | | •••• | | |
| SOUL, Hart, & Erie lat | ••• | | 20 | **** | | 2d mortgage | **** | 131 | **** | •••• | | U. S. 5s, 10-40s, coup |
| Tri., C. E., & Minn, 18t | | | 46 | **** | | Consol. Sinking fund Pacific Mail S. S. Co 161 | 192 | 214 | 221 | 21 | 201 | U. S. 5s, 1881, reg 1091 10 U. S. 5s, 1881, coup1111 |
| entral of N. Jersey 104 1st mortgage, new 1 | 144 - | 114 | 114 | 111 | 111x | Pacific R. R. of Mo | | | | | 100x | U. S. 6s, 1881, reg 1101 110; 111; 11 |
| 7s, consolidated 634 7s, convertible | 60 | 661 | mat. | **** | | 2d mortgage | **** | | | | 99 | U. S. 6s, 1881, coup1131 1121 11 U. S. 6s, 5-20s, r. n.1865 |
| Central Pacific 6s, gold 1071 1 | 07 | 107 | 107 | 107 | **** | Panama Pitta., Ft. W. & Chi.gtd 89 | 894 | 100 | **** | 884 | 101 | U. S. 6a, 5-20a, c. n1885 1081 1061 1061 1071 U. S. 6a, 5-20a, c. 1887. 1091 U. S. 6a, 5-20a, c. 1887. 1091 U. S. 6a, 5-20a, c. 1888 |
| 1st M. (Cal, and Or.) | ••• | **** | 874 864 | 871 | 88 | 1st mortgage | 117 | | **** | **** | 118 | U. S. 6s, 5-20s, c. 18671001 1007 |
| Land grant Ca | | **** | | | | 2d mortgage | 103 | **** | | 102 | **** | U. 8.6s, 5-20s, reg.1868 |
| Preferred | 84 | 88 | 88 | 88 | 874 | Quicksilver Mining Co | 28 | **** | **** | | 134 | U. S. 6s, 5-20s, c. 1868 U. S. 6s, Pac.R.R. issue 125 |
| lst mortgage | ••• | **** | | •••• | **** | Preferred St. L., Alton and T. H | **** | **** | | •••• | | on Westmania with a currench no |
| income bonds | | **** | **** | | | Preferred | **** | **** | | **** | :::: | London Stock Exchang |
| 7s Consol, 1903 1084 1 | 98 | 901 | 994 | 99 | 109 | 2d mort. preferred Income bonds | **** | **** | **** | | | Aki do hely to based more July |
| 86, 1883 | *** | **** | 1153 | **** | | St. L., Iron Mt. & S'thu | 84 | 9 | 9 | 8 | **** | Atlantic & Gt. W. 1st mort. \$1,000 20 - |
| Chic., Mil. and St. Paul. 221 | 231 | 23 | 24 | 24 | 254 | 1st mortgage | **** | 100 | | 100 | 90 | Do. 2d mort., \$1,000 |
| 1 of monthson of 0 - | 601 | 901 | 601 | 601 | 604 | 2d mortgage St. L., Jack. & Chi. 1st | **** | **** | **** | | **** | Do. 1st mort, trust. certificates 20 — Central Pacific of California 1st mort 104 —1 |
| 2d mortgage, 7 3-10s | | **** | **** | | **** | St. L., Kan. City & N Preferred | | **** | | *** | 22 | Detroit & Milwaukee 1st mort. bonds 30 - |
| lst M. (La Crosse div.) | 1004 | **** | 1001 | **** | 1011 | Tol., P. & War. 1st E.D | | **** | | | | Do. 2d do. 30 — Erie shares, \$100 7 — |
| lst M. (I. and M. div.) | 88 | *** | 884 | | **** | 1st mort., West. Div Tol., Wab. & Western | | | | *** | **** | Do. Reconstruction Assess. #6 pd. 11 — Do. do. #4 pd. 10!— Do. Preference Shares 16 — |
| 1st M. (H. & D. div.) 35 | | **** | | **** | | Preferred 92x | 92 | **** | | **** | 92 | Do. Preference Shares 16 - |
| lat M. (C. & M. div.) Consolidated S. F 85] | 99 861 | 99 | 871 | 99 87 | 87 | 2d mortgage | **** | 66 | | **** | | Do. 7 Convertible Gold Bonds 35 To. Reconstruction Trustees Cer 35 |
| Ohic. & Northwestern. 21 | 22 504 | 22 | 524 | | 224 | 7s, Consolidated | | **** | **** | **** | **** | Do. 1st Consol. Mort. Sterling 74 - |
| Preferred | 108 | 514 | 021 | 511 | 511 | Union Pacific | 1054 | 65 | 105 | 1051 | 68 105) | Do. 1st Consol. Mort. Sterling 74 — Do. with Rec. T's Certs. of 6 Cou 71 — Illinois Central \$100 shares 56 — |
| Consolidated 7s | | 1071 | **** | **** | **** | Land Grant 78 1024 | 102 | 103 | 103 | 108 | 1(8 | Lehigh Valley Consol. mortgage 85 — Marietta and Cincinnati Railway 100 — |
| Consol. Gold bonds. 844 | 874 | 874 | 88 | 871 | 87 | Binking Fund 8s 974 United States Express | *** | **** | **** | 41 | 971 | N. Y. Cent. & Hud. Riv. Mt. bonds. 114 -1 |
| Do. reg Uhic., Rock Isl. & Pac. 93 | 95 | 954 | 951 | 95 | 951 | Wells-Fargo Express Western Pacific bonds | 82 | **** | **** | | | Do. 1st mortgage 92 — Pennsylvania, \$50 shares 304 — |
| 78, 1896109 | | **** | **** | 108 | 108 | Western Union Tel 661 | 671 | 671 | 681 | 714 | 701 | Do let mortgage |
| 6s, 1917. Olev., Col., C. and Ind | 1C41 | | | 104 | 1041 | 7s, S. F. conv., 1900102 | 102 | 102 | **** | 102 | | Philadelphia and Reading \$50 shs 12 — Pittsbg, Ft. W. & Chic. Equip. bds 100 — Union Pacific Land Grant 1st mort. 100 — |
| 1st mortgage | | 25 | 254 | **** | 264 | Boston Stoc | | | | dar. | Design ! | Union Pacific Land Grant 1st mort. 100 -1 |
| Clev. & Pittsburg guar. 804 | | **** | 79 | 79 | 794 | Closing Prices for | the we | | | | 907 1 | The second secon |
| 4th mortgage | 110 | **** | **** | **** | **** | Atch., Top. and Bab. Fe | **** | | 12 | | W.1. | American Railroad J |
| Clev., P. and Ash. 7s 7s, new | **** | | **** | *** | **** | 1st mortgage 85 2d mortgage 45 | 87 | 874 | 47 | 87 47 | 461 | Tarrest and the Bostones second days |
| Col., Chi., & Ind. Cent | 3 | 3 | 24 | 2 | 24 | 2d mortgage 45 Land Grant 7s Income 12s | **** | 78 | | | **** | Saturday, August 4, 18 |
| 1st mortgage2d mortgage | 28 | **** | **** | **** | **** | Boston and Albany 1131 | 114 | *** | 114 | **** | 1141 | Financial and Commercial |
| Del. & Hudson Canal . 361 Reg. 7s, 1891 | 38 | 45 | 334 | 91 | 414 92 | 7s, reg | | | **** | **** | **** | the Rose more than than back but in 6 |
| Reg. 7s, 1884 | | | **** | 90 | 90 | Boston and Lowell, | **** | | 61 | **** | 61 | Affairs in the railway labor line l |
| 7s, 1894 Del. Lack. & Western. 401 | 411 | 45 | 431 | 954 | 411 | Boston and Maine 87 | | 874 | 88 | **** | 88 | much more satisfactory position duri |
| 2d mortgage 78 | **** | **** | | | **** | Boston and Providence Boston, Hart. & Erie 7s 10; Boston Water Power 2 Burl. & Mo. R. L. G. 7s | 104 | **** | **** | **** | 1194 | Most of the great carrying lines have l |
| 7s, Convertible Det., Mon. & Tol. 1st | | **** | **** | | | Boston Water Power 2 | 2 | 27 | 3 | 21 | 21 | to resume operations, the movement |
| Dt. of Columbia 3-65s 791 Eric Railway 81 | 791 | 791 | 791 | 81 | 8 | Burl. & Mo. R. in Neb | **** | **** | **** | **** | **** | and merchandise having been reliev embargo of the recent utterly mischi |
| Preferred 18 | | | | | **** | 8s, old | **** | **** | 106 | **** | | Financial and commercial dealings |
| 2d mortgage | **** | **** | 105 | | 113 | Ss, new | 981 | | 99 | 981 | 981 | _ |
| 3d mortgage | **** | 103 | **** | **** | **** | 7s108 5s, new | **** | 109 | **** | **** | **** | freed from the resulting influences. |
| 4th mortgage | **** | **** | **** | | *** | Cin., Sand. and Clev | | **** | | **** | **** | again fallen to merely nominal rates |
| Great Western 1st mort 2d mortgage | **** | **** | **** | 65 | 65 | Concord (\$50) | * **** | **** | 691 | **** | **** | and discount market, in the absence |
| Hannibal & St. Joseph 12 | 12 | 12 | 12 | 12 | 12 | Eastern | | | | | 31 | like an urgent inquiry for accommode |
| Preferred 291 8s, Convertible 891 | 281 | 29 89‡ | 28‡ 91 | 28 90 | 26 | New 3 Bonds 50 | **** | 50 | 504 | **** | **** | er for speculative or regular mercant |
| Hudson River 2d mort Illinois Central 57 | 59 | 591 | 591 | 61 | 62 | Ind., Cin. & Lafayette | ***** | | **** | 104 | **** | Call loans have been quoted here |
| Kansas Pacific 1st mort | **** | | **** | | | Kan. C., Top. & West | | H.W. | w (1) | | 1010 | with most of the important negotiati |
| Consol. 7s | 501 | 52 | 51 | 51 | | Michigan Central | 43 | 431 | **** | **** | **** | on the basis of two per cent; and |
| Consol, 7s, reg | | | **** | 106 | **** | Nashus and Lowell | | **** | | | | to prime mercantile credits are rated |
| 2d Consolidated Lake Shore Div. bonds | | **** | **** | **** | | Northern, N. H Norwich & Worcester | 1000 | P1 01 | | **** | **** | mainly 4@5 per cent per anonm. Th |
| Leh. & W.B. 7s, Con | 27 110 | 27 | 28 | **** | | Ogden. & Lake Uhamp Preferred 83 | | | 174 | 17 | **** | last week, reported a further decre |
| L'ville & Nash. 7s Cons | **** | 97 | **** | *** | | Old Colony 85 | | 861 | 86 | 86 | | specie reserve, as well as in their |
| 7s, 19021024 | 43 | 43 | 43 | 102 | | Ph., Wil. & Balt. (\$50). 60 | 60 | 601 | 61 | **** | 61 | hoard, and the item of circulation, as |
| 8s 1882 | ***** | | | *** | | Portl'd, Saco & Ports | | | | | | of loans and discounts, and the dep |
| M. S. and N. I. 1st, S.F | | **** | **** | 111 | | Pueblo & Ark. Val | | W 100 | | | | The loan and discount average sho |
| 2d mortgage 67 | 69 | 704 | 691 | 69 115 | 63 | Pullman Palace Car 72 Union Pacific | | 724 | | **** | | tion of \$1,762,600. The item of c |
| 2d mortgage107 | | 100 | **** | | | 68105 | 1 | 105 | | 105 | 104 | \$28,500, and of deposits \$1,748,700 |
| 7s of 1871 Vo | 99 | | 991 | 99 | | Land Grant 78101 | 4: 101 | 1007 | | 1001 | | tender reserve was diminished \$174, |
| 7s, Convertible | 85 | | 85 | | | Vermontand Canada | | | | 19 | | specie average fell off \$995,700. |
| 7s, Consolidated N.Y. Cent. & Hud. Riv 93 7s, Sinking fund, 1876 | 95 | 941 | 941 | 94 | PH 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Worcester and Nashua | 1 | 0.000 | 0.00 | 1 | | The City hanks reported their ave |
| 6s, Sinking fund, 1883 | 105 | | 101 | 11/100 | | Cambridge (Horse) | · Swani | | | | | |
| Ma Climbing found 1007 | 1/555 | 118 | W. | 110 | | Metropolitan(") Middlesex (") | n\$1 | 10 | | | | same date last year; and their green |
| 6s, Sinking fund, 1887 1st mortgage | | | | | | | | | | | | |
| lst mortgage reg | | odzesi | 9 | 14 5.5 | * *** | Central Mining Co | 105 | 1127 | 1851 | 100 | | |
| 1st mortgage | 138 | 139 | 9 | *** | | Calumet and Hecla164 | 165 | 127 | | 166 | | at \$57,325,200, as against \$59,523,40 |

Aug. 1. 30.Tu.81. W.1. ge. paing Prices. 18. July 20. 22. 20. 22. 9. 8. 10. 4. 34. 44. 22. 20. 22. 106. 104. -106. 40. 30. -40. 40. -40. 40.

Journal.

77 contra

Affairs.

have been in ing the week. been enabled ts of produce ved from the levous strike. s have been Money has e, in the loan e of anything lation, whethat 11/2@21/2, tions reported d very choice d at 81/2051/2, he City banks, rease in their legal tender s also in that posit average. ows a reduccirculation of 0. The legal ,500; and the

erage of gold st \$19,295,200 back average 00 on July 29, \$221,064,900, in 1876. The

The City bank net reserve of specie and legal tender notes now shows an excess over the legal requirement of reserve to liabilities of \$16,043,075, as against \$16,776,100 the preceding week, \$9,-039,775 the week ending 14th April (the lowest footing of this item thus far in the current year,) and \$24,781,800 on January 27 (which latter was the highest aggregate reached this year.) The City bank exchanges in currency reached \$368,914,804; or a daily average of \$61,485,801.

The U. S. Sub-Treasury in this city closed the week ending on Wednesday with a currency balance of \$51,471,181, against \$47,174,383 the preceding week; and a coin hoard of \$83,305,544, against \$83,758,625 on the return of a week earlier. The Customs revenue of the port during the past week was \$1,788,000.

The liquidation of the national indebtedness in

The disbursements of the National Treasury in July (exclusive of interest or principal of public debt) were \$10 220,507.

The U. S. Sub-Treasury receipts in July were \$81,832,428 (of which \$7,432,259 from custom); payments, \$82,125,270, (of which \$13,835,685 of coin interest.)

The aggregate of the outstanding U. S. currency of all denominations, August 1st, was \$379,-384,725. The outstanding amount of legal tender notes is \$359,764,832. The National bank circulation is now \$815,401,387 of currency notes and \$1,480,120 of national gold bank notes.

National Bank notes received at the Treasury Department in July for redemption were to the amount of \$21,838,200.

The income of the Government from internal revenues last week was about two millions, and during the fiscal year ending June 30, 1877, \$118,-438,279, against \$116,700,782 in the preceding fiscal year; and from Customs last week about 234 millions, and in the last fiscal year \$180,439,-419, against \$148,071,985 in the preceding fiscal year.

On Wednesday of this week the cash balances of of Currency, \$9,811,956; special deposit of legal tenders for the redemption of certificates of deof Coin certificates, \$87,807,800.

Under instructions from the Secretary of the Treasury the U. S. Assistant Treasurer at New York was to sell \$1,000,000 in gold on Thursday. Aug. 2, at noon. The Secretary is represented as having remarked that he had no idea of selling \$5,000,000 of gold in August, but that the sale of \$1,000,000 on the date named was intended to redeem United States notes as an offset to the recent issue of national bank notes.

Gold has been less active, and generally weaker in price, the exciting war remors from Europe on Monday not having made much impression on the market, even temporarily. The extremes of the price during the week have been 1051/4@1053/4 closing at 105%, as against 105% on Wednesday 104%, on Friday, March 2d, The specie outflow 191/4 for early delivery,

loan item was \$249,169,600 against \$250,505.000 a last week was only \$375,000, making the total exagainst \$37,595,998 the same time in the preceding year. The imports of specie at this port last close for Grain, 61@61d. per bushel. Provisions, week were \$166,780, and since January 1st have 25s.@50s.; Tallow, 20s.; Leather, 50s, Measurebeen \$7,660,958, as against \$2,598,492 same time last year. The Customs demand for gold last week averaged \$298,000 per day. Foreign Exchange has been in quite moderate request, leaving off weak. Bankers' sixty day bills on London closed on Wednesday at \$4 84%@\$4 851/2; sight bills on London at \$4 861/2@\$4 871/2 to the £ sterling. The week's imports of Dry Goods and general merchandise were to the specie value of \$6,217,603 as against \$5,168,729 the corresponding week of 1876. The week's import entries of Foreign Merchandise at New York included \$1,596,105 of Dry Goods and \$4,621,498 of General Merchandise. The week's export of Domestic Produce and Miscellaneous Goods from this port were \$5,140,795, against \$5,427,839 same week in 1876.

> Government securities have been in moderately active demand but variable in price, influenced mainly by the course of Gold. At the close the market was quoted as a rule firm, leaving off on Wednesday as follows:

> United States currency sixes, 1243/@125; do. 6s, 1881, registered, 111@1111/a; do. coupon, 112@1121/4; do. 1865, new, registered, 1063/4@ 1067/8; do. coupon, 1063/4@1067/8; do. 1867, registered, 1083/@109; do. coupon, 1087/@109; do. 1868, registered, 111@112; do. conpon, 111@112; do, ten-forties registered, 1093/2@1095/2; do. coupon, 1123/ 21131/4; do. five per cents 1881, registered, 109%@109%; do. coupon, 109%@109%; do. 41/2 per cents, 1891, registered, 1081/2@1081/4; do. coupon, 1081/2@1083/4; do. 4 per cents, 1907, reg., 1051/4@1051/2; Central Pacific Gold Bonds, 1063/ 21071/2.

> The amount of U. S. bonds held by the Treasurer of the United States, as security for the National Bank circulation, is \$337,638,100, and \$18,-782,500 as security for public deposits,

State and Railway bonds have been in rather better demand and quoted somewhat stronger as the Treasury Department at Washington were: to price, in the instance of the more substantial loans. And in the line of Railway and Miscellaneous share property business has been brisker at posit, \$55,447,000; Coin, \$97,803,955, including generally high, though irregular prices; speculation rallying sharply after the release of the prominent railway lines from mob control.

Business has been fairly active in general trade lines with domestic produce however quoted lower, closing as a rule rather more firmly. Foreign merchandise has been comparatively quiet. Sugars

Hardware and Boots and Shoes have been in moderate request, while Dry Goods have been more sought after with prices quoted generally steady for seasonable goods.

Metals have been very dull throughout, with prices quoted weak. Eglinton Pig Iron queted at \$25 50; Glengarnock \$27 50; Coltness \$28 50@ \$29; No. 1 American Pig at \$18@\$19; No. 2 do. at \$17@\$18 ; Forge \$16@\$17 ; American Bails at of the preceding week. The searcity of gold for works \$322885; Old Rails \$18@\$19. Wrongbt prompt delivery was complained of early in the Scrap \$22 3\$25. Steel Rails, on the basis of \$45 Transp.; 281/2; Pittsburg 7s, W. L., 103. The letest week. The lowest point yet touched by gold was @\$48 at the mills. Ingot Copper quoted 193 quotations are: City 6s, 107%@-; do. freeof tax,

Ocean freights have been more active and for ports of specie hence since January 1, \$21,141,819, Grain room on berth and charter much stronger toward the close. Liverpool steamer rates at the ment Goods at 15s.@20s, per ton ; Cotton, id. per lb., Liverpool, by sail. Cotton, 3-16; Grain, nominal, Oil Cake and Slate, 10s.@12s. 6d.; Measurement Goods 12s.@15s.; Tobacco 25s.@27s. 6d; Grain rates on charter hence for Cork and orders left off at 5s.@9s. 6d.; for the Continent, at 6s. 26s. 6d. and from Baltimore for Cork and orders, 5s. 6d.@5s. 9d. as to time of loading and from Philadelphia at 5s, @5s, 6d. per quatter. Refined Petroleum hence for Cork and orders, 4s.@4s. 6d. for the Continent, 3s. 9d. @4s. 3d. per bbl.

The following quotations of sales of Railway and other securities are in addition to those given elsewhere in our columns :-

New York .- Delaware and Hudson Canal reg. 7s, 1877, 100; Cedar Falls and Minnesota 1st mort., 78; Winona and St. Peter 2d mort., 68; South Pacific 1st mort., 72; East Tennessee, Virgibia and Georgia 1st mort., 90; Canada Southern 1st mort., with int. coupon, 46; Central Pacific State Aid bonds, 1081/4; Wabash R. R. Pur. Com. Receipts, 51/4; Dabuque and Sloux City R. R., 46; Kansas Pacific R. R., 13/4; Ontario Silver Mining, Co., 213; Maryland Coal, 9; Canton Co., 171/2; Missouri 6s, long bonds, 1061/4; Louisiana 7s, consol., 771/4; Virginia 6s, ex mat. conpon, 63; Brooklyn 6s, W. L., 108. The latest quotations are: Adams Exp., 971/2@98; American Exp., 45 @4534; Atlantic and Pacific Telegraph, 200-; Central Railroad of New Jersey, 111/2011%; Chicage, Burlington and Quincy, 99@-; Chicago and Alton, 871/4@-; do. pref., 101@-; Chicago and Northwestern, 221/2@223/4; do. pref., 513/4@52; Chicago, Milwaukee and St. Paul, 25@2514; do. pref., 605/8 2607/8; Chicago, Rock Island and Pacific, 945 @947 ; Cleveland, Columbus, Cincinnati and Indianapolis, 261/2 -; Cleveland and Pittsburg, 791/2@80; Columbus, Chicago and Indiana Central, 2@21/4; Delaware and Hudson Canal, 40% @40%; Delaware, Lackawanna and Western, 41 @411/8; Erie, 81/4@81/2; Hannibal and St. Joseph, 12@1214; do. pref., 2878@29; Illiquis Central, 623/@63; Lake Shore and Michigan Southern, 51 1/8 251 1/4; Michigan Central, 43 1/2 248 5/8; Morris and Essex, 681/4 0681/4; N. Y. Central and Hudson River, 931/4@931/2; New York and Harlem, 1381/20140; Ohio and Miss., 3@31/4; Pacific Mail, 2078@21; Panama, 101@1021/2; Pittsburg, Ft. Wayne and Chicago, 87@88; Quicksliver, 1816@ 14; do. pref., 241/2@25; St. Louis, Iron Monntain, and Southern, 83/6-; St. Louis, Kansas City and Northern, 3%@-; do. pref., 22@-; Union Pacific, 62%@63; U. S. Express, 41@421/2; Wells-Fargo Express, 8134@82; Western Union Telegraph, 705/8@703/4; Wabash, 51/2@53/8.

Philadelphia.-West Chester and Philadelphia R. R. 7s, 111; Allegheny Valley R. R. 7s, 81; West Jersey R. R. 7s, 1031/2; Pennsylvania Canal 6s, 62; Belvidere Delaware 2d mort. 103; Philadelphia and Reading R. R. scrip, 52; Susq. Coal 6s, 73; Am. S. S. Co. 6s, 73; Philadelphia, Germantown and Norristown R. R., 91; Central 1113/@1121/2; Pennsylvania State 6s, 2d series,

new loan, 109@110; Philadelphia and Reading, 121/4@123/4; do. Gen'l mort. 7s, coup., 951/4@96; do, reg., 95% @- ; do, mort, 6s, 1880, 103@108% do. 7s, new conv. 48@43; do. 7s, 1893, 107@-United New Jersey R. R. and Canal Co., 1291/4@ 1301/4; Camden and Amboy mort. 6s, 1889, 1083/4 @10914; Penusylvania R. R., 261/2@265/8; do. 1st mort., 105@1051/2; do. gen'l mort. coupon, 105@ 106; do. reg., 1061/4@1061/2; do. Consol. mort. 6s, reg., 91@92; Little Schuylkill R. R., 35@-; Morris Canal, 49@56; do. pref., -@131; Susq. Canal 6s, -@40; Schuylkill Nav., 2@-; do. pref., 6@ 7; do. 6s, 1882, 52@54; do. 1872, 87@90; Elmira and Williamsport pref., 37@41; do. 7s, 100 @-; do. 5s, 60@-; Lehigh Coal and Navigation. 17%@17%; do. 6s, 1884, 101@102; do. R. R. loan 102@-; do. Gold Loan, 86@87; North Pennsylvania, 40@40; do. 6s, 106@107; do. 7s, 111@ - ; do. Gen'l mort. 7s, reg., 1051/2 - ; Philadelphia and Erie, 71/2@9; do. 6s, 102@-; do. 7s, 92@94; Minebill, 417/6421/6; Catawissa 5@-; do. pref., 27@80; do. new pref., 24@-; do. 7s, 1900, 104@197; Lehigh Valley, 33@33%; do. 6s. new coupon, 108@1091/2; do. reg., 1097/8@do. 7s, reg., 112@11234; do. consol. mort., 91 @-; Fifth and Sixth streets (horse), 68@-Second and Third, 682-; Thirteenth and Fifteenth, 31@33; Spruce and Pine, 241/6 -; Green and Coates, 30@-; Chestont and Walnut, 46@ 50; Hestonville, 11@111/4; Germantown, 41@-; Union, 64@- ; Lombard and South, 8@--; Ridge Avenue 43@-: Seventeenth and Nineteenth, 34

Baltimore. - Baltimore City 6s, 1875, 1021/4; do. 1890, 112; do. 1902, new, 1121/2; do. 5s, qrly, 99; Cincinnati 7.30s, Jan. and July, 1041/4; Charleston, 6s, 70; Savannah 7s, 70; Maryland 6s, exempt, 1131/2; do. Defense 6s, 113; Baltimore and Ohio R. R., 1st pref., 96; Virginia and Tennessee 2d mort., 79; Richmond and Danville 1st mort., 73. The latest quotations are: Cincinnati and Baltimore, 7s, -@95; Wilmington and Weldon 7s, 99 @-; Wilmington, Columbia and Augusta 7s. -@33; Richmond and Danville 1st mort., 721/2 -Pittsburg and Connellsville 7s, 1898, 903/4@91; Baltimore and Ohio, 91@100; do. 1st pref., 96@ -; do. 2d pref., 86@88; do. 6s, 1880, 100%@101; do. 1885, 1021/201031/2; Northern Central, 13215; do. 6s, 1885, 1011/20102; do. 6s, 1900, 100@do, 6s, 1900, gold, 86@87; Marietta and Cincinnati 1st mort. 7s, 1892, 80@88; do. 2d mort. 7s, 3014 @321/2; do. 3d mort. 8s; 10@111/4; Central Ohio, 2216@-; do. pref. 35@36; do. 1st mort, 94@ 98½; Western Maryland 1st mort. 6s, 1890, 90@ 100; do, 1st mort, guar., 105@-; do, 2d mort, guar., 105@-; do. 3d mort. guar., 107@-; do. 2d mort, pref., 65@81; do. 2d mort., guar, by Washington Co., 100@102; Virginia and Tennessee 2d mort. 6s, 781/20801/2; do. 3d mort. 8s, 80@ 81; Orange and Alexandria 1st mort. 6s, 78@ 82; do. 2d mort, 6s, 66@70; do. 8d mort, 8s, 40@50; do. 4th mort. -@50; Orange, Alex. and Manassas 7s, 61@65 ; Baltimore 6s, 1875, 10236. @1021/2; do. 1884, 1113/20112; do. 1886, 1111/20 11134; do. 1886, new, 11114@-; do. 1890, 11134 @1121/4; do. 1900, 118@1181/4; do. 1900, new, 112 @113; do. 1902, 112@112%; do. 1902, new, 112 @11234; do. 6s, exempt, 115@116; do. 1893, new, 114%@115; do, 5s, 99@-; Maryland Defense of April.

102%@108%; do. 3d series, 110%@111; do. 5s, 6s, 1888, 118@118%; do. 6s, 1890, 108@—; do. 6s, exempt, 1181/01181/4; do, 5s, 970-; Virginia consol. 6s, 63%@63½; do. 2d series, 40@ 411/4; Virginia Consol, coupons, 80@801/4; West Virginia def. certif., 5@51/6; Baltimore City Passenger R. R., 33@-; Baltimore and Catonsville R. R., 14@141/2; George's Creek Coal, 75@110; ly in the departments of Isere, the High Alps, Maryland Coal, -@11; Atlantic Coal, 1.00@1.70; Gard, Mayenne, and Sarth, and it is also raised in Canton Co., -@21; do. gold 6s, -@91; Santa Clara, 83/4@10.

and Andover 6s, 1894, 99%; Cheshire 6s, 1896. 971/4; Rutland Equipment 7s, 47; Manchester and Lawrence R. R., 124; Summit Branch 101/4; Chesbire R, R, pref., 30; Connecticut and Passumpsic Rivers R. R. pref., 431/4; do. 7s, 1893, 101; Quincy R. R. Bridge, 1021/2; Pullman Palace Car 78 1878, 985 ; Massachusetts 5s, 1893, gold, 1123/ ; do. 1880, 107; New Hampshire 6s, 1878, 102 Cincinnati 7.30s, 1902, 104; Norwich 5s, 104; Chicago 7s, 1881,-1043/4; do. 1892, 1101/4; St. Paul 7s, 1902, 105; St. Louis County 6s, gold, 10814; St. Louis City 6s, 1887, 1041/2; Boston 6s, 1880, cur., 1063's; Toledo 7s, 1878, 101; Inter ational Mining Co., 80c.

FISK & HATCH.

Bankers.

No. 5 NASSAU ST., NEW YORK.

U. S. GOVERNMENT BONDS bought and sold in amounts to suit investors: also, Gold, Silver and for-eign coins: Deposits received in Currency or Gold, and interest allowed on Balances: Special attention paid to Investment Orders for Miscellaneous Stocks and

ILLINOIS CENTRAL RAILROAD COMPANY, New YORK, July 18, 1877.

DIVIDEND OF TWO (2) PER CENT HAS A been declared by this company, payable on the lst day of September next, to the holders of the capital stock of this company as registered at the close of th 14th day of August next, after which, and until the 5th day of September, the transfer-books will be closed.

L. V. F. RANDOLPH, Treasurer.

Erie Railway.

Mr. Hugh J. Jewett, Receiver of the Eric Railway, filed on the 1st inst. in the County Clerk's office his reports for the months of April and May. In his April report he begins with a cash balance of \$565,757 67. During the month he borrowed on various certificates \$536,432 85, and paid off various certificates to the amount of \$426,795 07, and ended the month with a balance of \$388,102 17. The receipts during the month for freights were \$1,026,212 07, and for passengers, \$307,699 35, which, with other minor receipts, make a total receipt balance of \$2,613,261 40. The expenditures, including payment of Receiver's certificates. amounted to the last mentioned sum, less cash bal ance on hand. During the month of May there was received for freight \$1,870,601 97, and for passengers, \$349,179 88. There were sold receiver's certificates amounting to \$451,861 57, and Receiver's certificates redeemed to the amount of \$527,096 78. During the month the cash balance increased to \$440,451 24. At the end of the mouth the outstanding Receiver's certificates were \$1,983,740 03, as against \$1,949,336 88 on the 1st President, John S. Schultze, Manchester, N. J.;

Foreign Anthracite Coal

Anthracite coal is obtained in England, at Bidwell in Devonshire, at Walsall in Staffordshire, in the western division of the South Wales coal field, in Ireland, and near Edinburgh. Anthracite coal is also found in the coal fields of France, especial-Belgium.

In South Wales Anthracite coal was used in 9 Boston,-Vermont Central 1st mort., 10; Lowell furnaces in blast, in 1864, out of 23 built; the quantity of anthracite iron made being 26,565 tons, out of a production of 889,502 tons.

> The whole quantity of anthracite coal mined was 509,475 tons, viz: 146,000 tons in Pembrokeshire, and 363,475 tons in Carmarthen and Glamorganshire. Of this, 347,000 tons were shipped, and 162,475 tons were used for household purposes, for iron works, and sent off by railway to be used principally for malting.

> The principal production of anthracite coal in the Kingdom of Great Britain, is that in Wales.

> A decision was rendered on the 28th ult. by Judge Donohue in the suit of Brown vs. The Pennsylvania Railroad Company, the facts of which have already been published in the JOURNAL, sustaining the demurrer interposed by the defendant and dismissing plaintiff's complaint. The suit was brought by the plaintiff, who is a bondholder of the Columbus, Chicago and Indiana Central Railroad Company, to enforce a contract whereby the Pennsylvania Railroad Company guaranteed the payment of the bonds of the Columbus, Chicogo and Indiana Central road, with interest, The Judge holds that the plaintiff individually, and in the absence of the parties to the contract and others interested therein, cannot maintain the ac-

The Secretary of the Treasury has, in accordance with the act of March 8, 1877, advanced to the Treasurer of the United States the sum of \$250,814 31 for the payment of the interest due August 1 on the 3.65 bonds of the District of Columbia.

The Pullman Palace Car Company's quarterly dividend of \$2 per share, due August 15, will be paid as usual. Quarterly interest on the 8 per cent, bonds will also be paid at that date,

The Old Colony Railroad 7 per cent Bonds of 1877 mature August I. A new loan of like amount, at 6 per cent., 20 years to run, has been negotiated.

The Atchison and Nebraska Railroad Company will pay, August 1, \$20 on each coupon due September 1, 1873.

Three hundred and fifty men are now employed in the construction of the Pembina branch of the Canadian Pacific Railroad, between Selkirk and St. Boniface, Manitoba.

The Arkansas Central Railroad, narrow gauge, was sold by United States Muster in Chancery Nicolls on the 26th ult., at Helena, for \$40,-000, to S. Honner, trustee.

The officers of the Freehold and New York Bailroad Company, recently elected, are: Secretary, J. E. Ralph, Freehold, N. J.

Mt. Washington Hailway.

The railway might have suggested Jules Verne's Journey to the Moon, and is such a miracle of engineering that it will be a pity if any visitor to the mountains misses a ride over it. The work of construction was begun in 1866, and was completed three years later. The route follows the Ammonoosuc Valley, and from the Fabyan House to the end of the friction rail is six and two-third miles. For two and a half miles the grade is two hundred and ninety feet to the mile, or one foot of perpendicular height to eighteen feet of horizontal distance. Besides the usual rails, there is a central rail of peculiar construction to receive the motive power, consisting of two bars of iron, with connecting cross pieces placed four inches apart. A central cog wheel on the locomotive plays into this rail, and secures a sure and steady mode of ascent and descent. The locomotive, as it first comes out of the engine house, has the appearance of being ready to fall over. The driving wheel is geared into a smaller wheel which connects directly with the crank, and four revolutions of the latter are required to make one of the driving wheel. The locomotive is not connected with the car, but simply pushes it up in the ascent, and allows it to follow gently in the descent. A wrought-iron dog constantly plays into notches on the driving wheel, so that should any part of the machinery give way, the train may be immediately stopped. The car is also supplied with friction and atmospheric brakes. The seats are placed at an angle that brings them almost on a level in the ascent, and all of them face down the mountain. The time occupied on the journey up is about an hour and a half, the engine having to stop several times on the way to take in water. The fare is three dollars up the mountain, three dollars down, or four dollars up and down on the same train .- W. H. Rideing, in " Harper's Magazine for August,"

Economy in Lubricating Oils.

In the half-yearly accounts of most of our railway companies a very heavy item appears under the head of oils, tallow, &c., for lubricating pur-On many of our leading lines a very expensive description of oil, say £35 or £40 a ton, or higher, is used for lubricating some of the rolling stock. Upon the railways in America and Canada much more economy is exercised under this head, the material known as " patural oil" being almost universally used. The cost of this oil, which is a natural product on the other side of the Atlantic, does not exceed more than about £20 a ton, and for lubricating purposes it is said to be quite as efficient as the more expensive oils. Now, at the present time, when economy in working our railways is a matter of such vital import ance, it appears surprising that so obvious a saving as might be effected by the use of this "natil oil" has not been more generally adopted by railway companies.—Herapath.

Kings County Central Railroad.

Some months ago we noticed that the filing of the map for this road bad been changed, and under the Presidency of Mr. J. Condit Smith, assisted by Mr. E. B. Litchfield, very commendable progress is reported. The route of the road has een fixed upon from the Flatlands town line along the vicinity of 31st St., northward, running near the Holy Cross Cemetery and the County Buildings through Clove Road to the City line and westward to the Willink entrance of the Park, where the Case property has been secured for depot purposes. The land on the south side of between the South Kensington Railway Station being copper, twenty per cent of Clarkson street, opposite the Clove road, and the and the Albert Hall, under apparently severer lead and ten per cent of silver.

corner of the Almshouse grounds has been pur-chased for a depot. The gange of the road will be the same as that of the Bay Ridge or Manhat-tan Beach road and they will have facilities for bringing coal and all building materials from Bay Ridge to Flatbush at a much lower rate than they have ever been brought before. In this connection we would suggest that Malbone Street ought to be made a railroad street, as it is already so occupied; therefore we would suggest that this company try and obtain its use, and perhaps by H. Reid to join them, his Canarsic inducing P branch could be brought along the same track. The work on this Central road is, we are told, to be commenced soon with a view of having it in running order this fall. Mr. Corbin has engaged to build and operate it as soon as the right of way is perfected, and we look for rapid progress after the work is once begun. - King's Co. Gazette.

Commerce of the United States

The value of the exports from the United States during the month of June, 1877, as compiled by the Bureau of Statistics at Washington, was \$42,-757,703, against \$16,036,238 in Juce, 1876. The value of the imports in June, 1877, was \$47,383, 312, and in June, 1876, \$33,931,751. In the year 1876 the exports exceeded the imports by \$12,-104,487, and in 1877 the relative quantities were reversed, the excess of imports being \$4,625,009. This apparent change in the condition of the commerce of the country is attributable to two principal causes, first, the imports during the past month were larger than those of last year, owing to the fact that many merchants delayed their orders for goods until actually needed by their trade, and second, the partial failure of the wheat crop last year, principally on the Pacific slope, caused a large falling off in the exports generally sent forward at this season. The exports for twelve months ending 30th June, 1877, were \$602,383,-001, against \$540,384,671 during the previous twelve months. The imports for the year ending 30th June, 1877, amounted to \$450,419,552,against \$460,741,190 during the previous twelve months. The excess of exports over imports during the year just passed was \$151,913,452, and the excess in the previous year was \$79,643,481, showing an increase in the balance of trade in favor of the United States of \$72,269,971.

What Railroads Cost.

In connection with the existing troubles and the great destruction of railroad property, the following statement of the cost of the roads leading out of Pittsburgh and their equipment will be of some interest. It is taken from the report of the Sta'e Secretary of Internal Affairs just issued: Allegheny Valley. \$23,963,025 66 Erie and Pittsburgh 5.075.496 59 56.518.478 57 Pennsylvania Pittsburg, Cincinnati and St. Louis. 19,882 005 10 Pitteburgh and Connellsville..... 12,489,369 48 Pittsburgh, Ft. Wayne and Chicago 29,581,900 73 Pittsburgh, Virginia and Charleston 1,331,444 13 Western Pennsylvania 3,986,211 00

Pneumatic Railway.

A few years ago there was a probability that New York city would be provided with a pueumatic railway upon a very extensive scale. From some cause or other the project seems to have been abandoned. But a railway upon exactly the same principle is to be constructed in London, between the South Kensington Railway Station

difficulties than could be encountered along Broadway in this city. The grade in the London route is about 1 in 48. It is expected that two engines of 170 horse power will, acting upon a blower, push a train of six carriages containing 200 passengers through a brick built tunnel of 105.5 square feet in cross section at a speed of 20 miles an hour. If this enterprise proves a success, it will have a most important bearing upon the vexed problem of rapid transit in cities,

Redemption of Five-twenty Bonds

The Secretary of the Treasury on the 27th ult. issued the fifty-third call for the redemption of five-twenty bonds of 1865-known as five-twenty bonds of the act of March 3, 1865, (cocsols of 1865.) The call is for \$10,000,000, of which \$7,000,-000 are coupons and \$3,000,000 registered bonds. The principal and accrued interest will be paid at the Treasury of the United States in the city of Washington on and after the 27th of October. 1877, and interest will cease on that day. The bonds designated are as follows:

Coupon bonds-Dated July 1, 1865, namely: \$50, No. 30,001 to No. 40,000, both inclusive; \$100, No. 52,001 to No. 66,000, both inclusive; \$500, No. 42,001 to No. 50,000, both inclusive; \$1,000, No. 75,001 to No. 85,000, both inclusive.

Registered bonds-Redeemable at the pleasure of the United States, after the 1st day of July, 1870: \$50, No. 1,151 to No. 1,400, both inclusive; \$100, No. 10,501 to No. 11,900, both inclusive; \$500, No. 7,201 to No. 7,750, both inclusive; \$1,000, No. 23,001 to No. 25,100, both inclusive; \$5,000, No. 6,701 to No. 7,300, both inclusive; \$10,000, No. 7,881 to No. 11,750, both inclusive.

The amount outstanding included in the numbers above is \$10,000,000. All United States bonds forwarded for redemption should be addressed to the "Loan Division, Secretary's Office," and all registered bonds should be assigned to "The Secretary of the Treasury for redemption." Where parties desire checks in payment for registered bonds drawn to order of any one but the payee, they should assign them to the Secretary of the Treasury for redemption on account of the owner or owners.

The called bonds are due in the following order: On the 5th of August \$10,114,550; 21st August \$10,000,000; 28th August \$10,000,000; 11th September \$15,000,000; 5th October \$10,000,000, 16th October \$10,000,000, 19th October \$10,000,-000 and 27th October \$10,000,000-total, \$85,-114,550. The called bonds due on the 5th of Au gust include the last of the old 1865s. The other calls are for the new 1865s.

Mineral Discoveries in New Hampshire.

The recent discoveries of gold and other valuable minerals in large deposits at Milan, N. H., has drawn thither numbers of miners and speculators. The gold vein, which is about a hundred miles from Portland, on the line of the Grand Trunk Railroad, was discovered by a Mr. Fogg, on a farm he had owned for twenty years. A despatch from Milan says:

The vein is over eighteen feet in width, with well defined walls, running northeast and southwest, and extending for over a mile. contains copper and lead, carrying gold and silver very rich, the ore being clean and solid from wall to wall. A blast put in a few days ago and throwing ten tons assayed as high as \$250 and \$260 per ton, fifty per cent of the mineral product being copper, twenty per cent each of gold and g n o a g f f

RAILROAD AND CANAL DIVIDEND STATEMENT. Showing the amount of Stock Outstanding, the Dividend Periods and the date of last Dividend.

| arked thus (*) are leased roads. | Stock out- standing. | Dividend Periods. | Dividend Payable. | Marked thus (*) are leased roads. | Stock out- standing. | Dividend Periods. | Dividend Payable. | Marked thus (*) are leased roads. | out- standing. | Dividend Periods. | |
|---|----------------------------|----------------------|---|--|----------------------------|----------------------|---------------------------------------|--|------------------------|--|----------------------|
| bany and Susq*100 lanta and West Point.100 | \$3,500,000 1,232,200 | J. & J. J. & J. | July '77 81 July 75 8 | Little Miami 80 Little Schnylkill M | 5.871,450 2.646,100 | quarterly | June '77 2 | Warn River | \$2,860,000 750,000 | A. & O. J. & J. | Apl '77 2 |
| antic and Gulf100 | 3.693,200 | - &- | Nov. '73 34 | Long Island 50 | 8,000,000 | M. & S. J. & J. | May'78 10e | Ware River 100 Warren (N. J.) 100 Warwick Valley 100 Westchest. & Phil. pref. 100 | 1,800,000 | A. & O. | Apl. '77 8 |
| antic and St. Law*_100 on,Geneseo & Mt. M.*100 | 5,000,000 | M. & B. | June'77 8 | Louisv., Cin. and Lex 50 " pref.100 Louisville & Nashville100 | 848,700 | J. & J. | Jan. '74 44 | Westchest. & Phil. pref. 100 | 821,300 | A. & O. J. & J. | July '77 4 |
| on,Geneseo & Mt. M.*100 timore and Ohio100 | 225,000 13,151,962 | M. & N | Jan. '75 May '77 5 | Louisville & Nashville100 Louisv., N. Alb. & Ohi100 | 8,000 000 | E. C. A. | Aug. 11 1 | West Jersey 100 Winchester & Potomac*100 | 1,559,750 | P. & A. | Feb. '77. |
| Vashington Br 100 | 1.650,000 | A. & O. | Apl. '75 5 | Lowell and Andover 100 Lowell and Lawrence 100 | 500,000 | J. & T. | fuly '77 34 | Winchester & Strasburg*100 | 500,000 | J. & J. | July '77 July '77 |
| rkshire* | 250,000 | J. & D. | Apl. 77 13 Dec. 72 24 | Lykens Valley100 Macon and Western100 | 600,000 | F.M.AN | Apl. '77 3 Aug.'75 24 | Worcester and Nashua. 75 HORSE-POWER R. R. | 1,789,800 | J. & J. | July '76 |
| ton and Albany 100 s., Clin. & Fitchb.pref.100 | 1.172.600 | - 4 - | May '77 4 Jan. '76 3 | Manchester and Law 100 | 1 1.000.000 | J. & J. M. & N. | July'73 5 May'77 5 | | 110,300 | B water | TOTAL ! |
| Agricultural Br. guar 100 st., Conc. & Mont. * pref 100 | 60,000 | | June'76 3 | Marietta & Cincinnati 50 " 1st pref. 50 " 2d pref. 50 | 1,408,912 | M. & B M. & S. | Sep. '66 3s | Albany City 100 Saltimore City 25 Balt., Cat. & El. City 100 | 1,000,000 | TATO | July '77 |
| aton and Lowell 500 | 3,200,000 | J. & J. | May '77 3 Jan. '75 8 | u 2d pref. 50 | 4,460,368 | M. & S. | Sep. '00 38 | Boston and Chelsea100 Broadway (Brooklyn)100 | 110,000 | J. & J. A. & O. J. & J. J. & D. | Apl. 77 |
| ston and Maine100 ston and Providence.100 | 4,000,000 | M&N. | May '77 2 May '77 3 | Massawippi*100 Memphis & Charleston* 25 | 5.312.725 | J. A. D. | Feb. '75 3 Jan. '69 3 | Broadw, & 7th Av. (NY)100 | 200,000 | J. & J. | Jan. '76 |
| ttleborough Branch. 100 st., Revere B. & Lynn. 106 | 131.700 | 1 20 1 | July '77 31 Dec. '76 2 | Michigan Central 100 Mill Creek & Minehill*. 50 | 18,738.204 | J. & J. J. & J. | Jan. '73 4s | Brooklyn City & Newt_100 Brooklyn and Jamaica 100 | 1,500,000 | F.M.A.N | Aug. 77 |
| falo, N. Y. and Eric*-100 nden and Amboy*100 | 950,000 | D. 06 AL | Dec. 10 pg | M. Hill & Schuyl, Hav. 50 | 3,856,450 | J. & J. | July '77 5 July '77 34 | Brooklyn and Jamaica100 | 488.100 | -4- | July 70 |
| nden and Atlantic bu | 377,400 | quarterly | July '77 24 Jan. '77 2 | Morris and Essex* 50 Mt. Carbon & Pt. Carbon 50 | 282,350 | J. & J. | July '77 84 July '77 6 | Bushwick (Brooklyn) 100 | 302,000 | J. & J. | July '71 Apl. '77 |
| " pref. 50 nden & Burl. Co100 | 838,311 | quarterly | Jan. '77 2 | Mt. Carbon & Pt. Carbon 50 Nashua and Lowell 10' Nashville and Decatur 100 | 800,000 | M. & N. | July '77 6 May '77 2 Dec. '76 8 | Oambridge | 1,068,400 | A. & O. | Oct. '67 |
| ne May and Millville* 50 | 447.000 | J. & J. J & D. | July '77 3 Dec. '76 8 | Nash., Chat. & St. Louis.100 | 6.575,296 | A. & O. | Apl. '77 14 | Citizens' (Pbg.) 60 | 200,000 | M. & N. | Jan. '77 Nov. '71 |
| asauqua & Fogelsv 50 | 1.15W.MIU | | Nov.'71 6 | Naugatuck | 1,918 400 | | Jan. '77 6 Mar. '77 5 | Uoney Island & Frookl100 D. Dock, E. B'dw. & Bat100 | 1.200,000 | F.M.A.N | Aug. 75 |
| " pref 50 | 2,200,000 | M. & N. | May '77 34 May '77 84 Jan. '77 46 | Newark and N. York*100 | 977,400 | | | Eighth Avenue (N.Y.)-100 | 1,000,000 | J. & J. | Jan. '75 |
| yuga and Susq.* | 589,110 | J. & J. | Jan. '77 4 | N.Castle & Beaver Val.* 50 N.Haven & Northamp100 New Jersey*100 | 605,000 | quarterly | Oct. '74 3 | Elizabeth Avenue (N.Y.)100 Elizabeth and Newark 1.00 42nd St. & G. St. Ferry100 42nd St. & G. St. Ferry100 Frankf. & Southw.(Ph.) 50 Germantown (Ph.)50 Girard College (Ph.)50 Grand St. and Newton100 Green & Coates St. (Ph.) 50 Heston Mantau & Fairm. 50 | 200,000 748,000 | M. & N. | May '75 |
| dar Rapids & Mo. R. *100 " pref. 100 | 0,800,400 | F.M.A.N | Aug. '77 1 Aug. '77 3 | New Jersey 100 | 7,295,200 | quarterly | July '77 21 | Germantown (Ph.) 50 | 1,00,000 | J. & J. | July '75 |
| ntrai of Georgia 100 | 7,500,000 | J. & D. | June '74 4 | N.Y. Cen. & Hudson R. 100 | 89,428,330 | quarterly | July '77 2 | Girard College (Ph.) 50 | 500,000 | J. & J. | July '71 |
| ntral Ohlo* | 2,425,000 | J. & J. | July '77 1 | New York and Harlem_106 | 1,500,000 | J. & J. | July 77 4 | Green & Coates St. (Ph.) 50 Heston, Mantau & Fairm. 50 | 170,000 500,000 | J. & J. J. & J. | July '71 |
| ntral Pacific100 | 400,000 54,275,500 | J. & J | July '77 3 | N. Y., N. H. & Hartf10 | 15,500,000 | | July '77 6 Aug. '77 2 | | | J. & J. M. & N. | Jan. '75 May'77 |
| 300 | 380,000 | quarterly | Jan. '77 14 | N. Y., N. H. & Hartf100 N. Y., Provid. & Boston.100 Ning. Bridge & Canand*100 North Carolina* | 1,000,000 | J. & J. | July '77 8 | Lomb. & South Sts.(Ph.) 25 | 105.000 | A. & O | Oct. '71 |
| eshire, preferred 100 icago and Alton 100 " pref 100 | 10,065,400 | tel. Oct. | I of the Land at the Land | N. Eastern (S.C.) pref. 10 | 96,000 | 1 N. C. NT | Jan. '73 8 May '67 4 | Lynn and Boston | 200,000 | | 777***** |
| " pref100 | 2,425,400 | M. & S. | Mar. '774 Mar. '774 | | 3,978.160 | F. & A. | Aug. '7736 | Metropolitan (Boston) 50 Middlesex (Boston) 100 Ninth Avenue (N. Y.) 100 | t,500,000 | J. & J. | July '77 |
| icago, Burl. & Quincy, 100 icago, Iowa & Nebras *100 ii, Mil. and St. Paul. 100 | 3,916,200 | J. & J. | July '77 5 | Northern N. Hampsh10 | 8.068,400 | J. & D. | June'77 24 | Ninth Avenue (N. Y.)100 | 400,000 797,820 | | May'77 |
| i, Mil. and St. Paul 190 | 15,399,261 12 274,483 | A. & O. | | | 1,000,000 2,604,400 | J. & J. | July '74 4 | Orange and Newark 100 Philadelphia City 50 Philadelphia and Darby 20 | 282,550 750,000 | | Jan. '77 |
| cago & N. Western 100 | 14,994,600 | J. & D. | Dec. '72 8 | Ogdensb, & L. Champl. *10 | 8,077,000 | J. & J. | July '77 5 July '76 2 | Philadelphia and Darby 20 | 200,000 | J & J. | July '71 |
| n, Ham. & Dayton100 | 21,485,658 25,000,000 | quarterly | Jan. '77 24 Aug. '77 2 | Ohio and Mississippi10 | 2,000,000 | | July '77 4 | Phila, and Grey's Ferry 50 Pbg, Alleg & Manchester 50 Second Avenue (N.Y.)100 | 284,771 | M. & N. | July 177 |
| n, Ham. & Dayton 100 | 2,980,550 | A. & O. | A w. 1 7791che | Old Colony10 | 4,030,000 | J. & D. | Mar. '75 8 | Second Avenue (N.Y.)100 Second & Third St.(Ph.) | 888,100 | J.A. J.O. | Jan. '77 |
| n., Sand. and Clev.* 50 pref 50 ev., Col., Cin. & Ind 100 | 413,150 | M. & N | May '77 8 | Oswego and Syracuse*_10 | 482,400 | F. & A. | Aug. '7741 | 17th & 19th streets (Ph.) 50 | 500,000 | J. & J. J. & J. | July 174 |
| ev., Col., Cin. & Ind. 100 eveland & Mahoning*. 50 | 2,057,569 | M. & A. | | Pacific of Missouri 10 | 7,000,000 | quarterly | July '75 1. Aug. '77 8 | 17th & 19th streets (Ph.) 50 Sixth Avenue (N. Y.)100 Third Avenue (N. Y.)100 13th & 15th street (Ph.). 50 | 750,000 | M. & N. | Nov.'74 |
| ev. Col., Chr. & Ind. 160 eveland & Mahoning*. 50 eveland & Pittsburg*. 50 dlumbus and Xenia* 50 dlum. & Hocking Val. 100 | 11,236,150 | quarterly | June '771 | Paterson and Hudson* 10 | 082.00 | J & J. | July 77 4 | 13th & 15th street (Ph.). 50 | 1,000,00 | J. & J. | July 177 |
| olum. & Hocking Val. 100 | 2,500,000 | F. & A | Aug. '77 48 | Paterson and Newara * .10 Paterson and Ramapo * .10 | 248,000 | J. & J. | July "17 3 | 23d street (N. Y.)100 Somerville (Boston)100 | 98,000 | J. & J. V. & N. | May 177 |
| oncord and Ports.*100 | | M. & N. | May '77 6 July '77 34 | Pember, & Hightstown*. 6 Pennsylvania | 842,15 | L.A. T. | Jan. 256 9 | South Boston 50 | 450.00 | Jouarterly | July 177 |
| nn, & Passump Riv. 1.6 | 2,100,000 | F. & A. | Feb. '75 3 | Peoria & Bureau Val. 10 | 1,200,000 | F. & A. | Feb. '77 4 | Union (Boston) | 400,00 | J. & J. J. & J. | duly 77 |
| mberland Valley 10 | 1,292,950 | | July '77 4 Apl. 77 24 | l'hiladelphia and Brie*. 5 | DF 2,400,000 | J. & J. J. & J. | July '74 4 | CANALS. | | 100000000000000000000000000000000000000 | July '77 |
| umberland Veilev 3: 1st pref., 5: 2d pref., 5: | 241,900 243,000 | A. & O. | Apl. '77 4 | Phil., Ger. & Norristwn* 5 | 1,626,25 | M.J. B.D | June'77 8 | Channaka & Dolamana K | 1,983,50 | road ci | E1 117 8 |
| anbury and Nerwala . 50 | 600,000 | | Dec '75 1 | " " pref 5 | 1,551,80 | quarterly | July '76 3 | Ohesapeake and Ohio 25 Delaware Division 50 Delaware and Hudson 100 Delaware and Raritan* 100 Erne of Pennsylvania 56 Lehigh Coal & Navigat. 50 | 8,229,59 | J. & D. | June 75 |
| elaware* | 1,230,950 | J. & J. | Jan. 277 8 | Phila, and Trenton 10 | 1,259,10 | quarterly | July 177 2 | Delaware Division 50 | 1,633,35 | F. & A. | Feb. '77 |
| stroit & Milwaukee *_ b | 822.140 |) - & - | 7 | Pittsb., Ft. W. & Chi 10 | 19,714,28 | quarterly | July '77 i | Delaware and Raritan*_100 | 5,847,40 | quarterly | July 77 |
| ubuque & Sioux City*io | 5,000,00 | Δ. & O. | Apl. '77 18 | Pittefield & N. Adams. 10 | 450,000 | J. & J. | July 77 2 | Lehigh Coal & Navigat. 50 | 10,848,550 | J.8 D.M. | Sept. 78 |
| ast Mahanov * | 392,95 | J. & J. | July '77 3 | Yarmouth certificates_10 | 0 616,70 | J. & J. | Jan. '75 3 Apl. '72 % | Mononganeta Navigat. | 1,008,50 | J. & J. | July '76 |
| ast Tenn., Va. & Ga 10 | 1,968,27 | A. & O. | Apl. '76 3 | Porti, Saco & Portam 10 | 0 1,500,00 | J. & J. | July '77 3 | (preferred)100 | 1 175,00 | | Feb '77 |
| astern (N. H.) | 492,50 | J. & J. | July '73 3 | Raleigh and Gaston 10 | 0 1,500,00 | J. & J. | Jan. '77 4 July '71 6 | Pennsylvania | 1,908.20 | PAA | Paleton . |
| mira, Jef. & Canand 10 | 500,00 | M. & N | Aug. 74 2 | Rensselaer & Saratoga *10 Roch, & Genesse Val.*-11 | 0 6,000,00 0 555,20 | J. & J. | July '77 4 | Susq. and Tide Water 50 | 2.888,97 | F. & A. | Feb 77 6 |
| " pref. 5 | 500,00 | J. & J. | Jan. '77 8 | Pritianci & N. Adams. 10 Portland and Kennebec. 10 Yarmouth certificates. 10 Providence & Worces. 10 Raleigh and Gaston. 10 Rensselaer & Saratoga*10 Rooh. & Genesse Val.* 11 Rome, Watert. and Odd. 10 Rutland. 10 St. Croix and Penobeoot 10 | 2,998,90 | J. & J. | July '75 3 | Union 50 | 2,907,85 | - de - | 1112/ 149 |
| rie Kallway pref 10 | 8,536,91 | 0 | Oct. '73 1 | " preferred 10 | 0 2,480,600 0 4,168,760 | F. & A. | Feb.'75 34 | MISCELLANEOUS. | ीं क्ष | | di non |
| 110 6000 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 1 4 000 00 | al denne cons | I remain a s w w w | Chi 4 4 15 6 PP | | J. & J. | July '71 2 | Lang Immaring Supplies | 19 000 00 | 850n rest | depres |
| eorgia 10 | 4,200,00 | J. and J | Jan. 177 3 | St. L., Att. & T. Matte-10 "pre-10 St. L., I. Mt. & South'n-10 St. L., Kan. C. & North-10 pref-10 | 2.040,00 | July. | July '74 8 | Adams Express | 1,500,00 | M. & S. | Mar. '77 |
| eat Western, (Ca.) 10 | 19,237,40 | 4 A and 0 | July '76 4 | St. L., Kan. C. & North. 10 | 0 12 000,00 | F. & A | Feb. '74 3 | Calumet and Hecla Mining | 18,000,00 | J. & J. | July '77 |
| annical & St. Joseph.10 " pref.10 | 4,151,70 | F. and A | Aug. '70 3 | Schnylkill Valley* 6 | 0 12,000,00 | | Nov. '72 \$ | Canton Mining Co 100 | 731,25 | 0 - 4 - | aug. II |
| anover Branch, (ra.). 5 | 116,85 | 0 M. & N | Aug. '70 7 Aug. '70 7 May '76 5 | Scaboard and Roanoke_10 | 0 1,151,40 | M. & N. | May '77 3 | Cantons and Recia Mining Control Mining Co | 10,250,00 | M. & S. | Jan. '77 |
| arlem Extension 16 arrisburg & Lancaster* 5 | 1,182,50 | U - ac - | Jan. '77 8 | Shore Line* 10 | 0 995.80 | J. & A. | Feb. '27 8 | Cumberland Coal & Iron 100 George's Creek U & I. 100 Gilberton Coal Co | 500,00 | 0 - & - | Oct. 175 |
| mastonic, pref 10 | 01.180.00 | Conarterly | v [n]v' 77 9 | South Branch (N. J.) -10 | 169,00 | A. & O. | Apl. '77 8 | Gilberton Coal Co100 | 100,00 | J. & J. F. & A. | Feb. '77 |
| " pref. 5 | 0 450,75 | 0 J. @ J. | July '68 3 | South Carolina10 South Western, (Ga.) *_10 | 0 5,819,27 | F. & A. | Feb '72 1 | Mariposa Gold10 | 2,836,60 | D. & A. | Feb. '76 |
| untingdon & Bd Tcp. 5 " pref. 5 dinois Central | 0 29,000,00 0 7.685.49 | OF. & A | Sept. 77 2 Sept. 67 4 | Staten Island | 0 8,892,30 | J. & D. | June '77 8 | Pacific Mail Steamship 10 | 8,693,40 | OMIG | nainas |
| wa Falls & Bioux City*10 | 0 4,625,00 | 0 quarterl | Dec. '76 1 | Staten Island | 0 448,70 | J. & J. | July 74 8 | Pennsylvania Coal | 4,000,00 | O F.M.A. | Aug. 77 |
| offersonv., Mad. & Ind-10 | 0 2,000.00 | quarter! | y May '77 1 | Summit Branch | 0 4,125,00 | O TO | Feb. 76 8 | Quicksilver, commes | 6,000,00 | F.M.A. | Aug.'77 |
| oliet and Chicago | 0 1,500,00 | 0 quarteri | у Дрі. '77 1 | Sussex (N. J.) | 0 817,85 | 0 J. & J. | Jan. 172 2 | Onlow Mining Co | 4,800,00 | 0 | - |
| ake Shore & Mich. So. 10 | 0 49,466,50 | 0 E. & A. | Feb. 777 1 | Taunton Branch10 | 000,00 | J. & J. | Jan. '74 5 | Quincy R. R. Bridge 100 | 1,750.00 | J. & J. | July '77 |
| awrence* (guar.).10 | 0 450.00 | U Quarter | Aug. 777 5 | Troy and Greenbush 10 | 0 1,988,15 | 0 J. & J. | Jan. '77 5 | Pacific Mail Steamship. 10 Pennsylvania Coal | 7,250,00 | 0 J. & D. | June 77 |
| eeds and Farmington*10 | 0 600,00 | 0 J. & J. | Jan. '72 3 | Union Pacific | 0 36,745,00 | quarterly | July '77 2 | Wells-Fargo & Co. Lap 10 | 5,000,00 | J. & J. | July 47 |
| CHIER OF BURNINGBRIDES. | UT 6,759,80 | UI M. COM. | . IMAV 67 K | THE MUST RIVE IN INCK KIVET 10 | UL 1 MAG 00 | M A 48 A | Lian 777 9 | III W 681. Union Teleprisoh.10 | 3122 WAT 17 | Touch a set out | OF T. T. SHOW |

Midwout, Amersfort and Coney Island R. R.

Some time since we advised our readers that a project was on foot by which the people of Flat-lands would obtain rapid transit through our vil lage, via Nostrand avenue cars. We learn that all esary steps have been taken to ensure the building of the road, which is to be called The Midwoul, Amerefort and Coney Island R. R. Co. Mr. Wm. R. Grace is President, Chas. Flint Secretary and Treasurer, Winchester Britton Counsel, and Charles Crooke, Engineer. Amply capital has been subscribed. We are now authorized to say, that they intend to have trains running if possible this fall as far as Flatlands, and the road to Coney Island finished by spring. They have purchased the Johnson Lake property, corner of Malbone St. and Flatbush ave., directly opposite the Park Entrance, on which they intend to erect commodious buildings. The trains will leave the rear of this property on Sullivan street, running thence to Clove Road, past the County Buildings and the Holy Cross cemetery to Flatlands village, thence southwesterly to Sheepshead Bay and Coney Island. We have been told by Mr. J. L. Bergen, who is negotiating for the right of way, that he has met very little opposition; with an ex-ceptional case he has settled on price and location of route between Hendrickson's store in the town of Fintlands, and Vernon ave. in the town of Flat bush. When this road is opened Flatlands, from being an isolated village, will be within twenty minutes of the City Hall. The other roads have cleared Sheepshead Bay, while this road runs the whole length of the village, thence to Coney Island between Corbin's City of the Sea and the Judges road. We have had this route in our mind's eye not only, but have suggested it to others as being not only a cummer route but a winter route also.—Flatbush Gazette.

Railroad Competition.

One of the causes which have compelled the through railroad lines between the seaboard and the Western grain and provision centres to cut down the wages of employes and reduce running expenses to the lowest possible figure, is that they have been doing the through transportation at a great loss. The manager of the Grand Trunk Railway reports to the stockholders that that corporation has lost \$4,750,000 in two and a quarter years of railroad competition, and it is estimated that the competing railroads of the United States have lost \$47,000,000 during the same period from the same policy. It has been remarked that this competition which has so materially reduced the cost of grain transportation was in the interest of the consumer. This may be partly true; but in time the loss attending such transportation will be distributed throughout the country. The stock-holders will feel it first, the bondholders and the employes next, while the many industries depending upon the keeping up of the railroad lines will feel a depression resulting from the enforced neglect of companies to keep up their efficiency. We doubt if the competition has been of great advan tage to anybody. The war of the railroad managers has produced an uncertainty as to rates, which has undoubtedly had an influence to dis turbe the business of the shipper. In fact, mar gins are now so narrow that any element of uncertainty seriously affects business. Consequently it would be better for all concerned that the tail-road companies should unite upon a tariff between the ports of shipment and the West which would afford them a moderate remuneration, and at the same time be so stable as to remove from transportation the element of uncertainty which in the past two years must have been a source of pershippers. Moreover, to a certain extent, local business on these lives doing a losing through business must be over-taxed to make up the deficiency, so that on the whole, the loss re-sulting from the competition of the through lines

is pretty evenly distributed among all classes and sections .- Boston Journal.

Costa Rica Railroad.

A dispatch to the Panama Star and Herald dated Limon, June 17, 1877, says :

In railroad matters nothing new has transpired. The road is new in thoroughly good repair, and various travelers have come down from the Capital in two clear days. So far as can be judged, the present administration seems determined to persevere in the proposed new route from Pacuare to San Jose, via Santa Clara Plains. This change will entail considerable extra expenditure and no inconsiderable engineering difficulties, besides leaving Cartago " out in the cold." On the other hand it will open out a large expanse of country which is pronouced by all who have traversed it to be fertile beyond almost any district of Costa Rica, well watered, and capable of being cleared for cultivation at little cost or trouble.

The work on the railroad from San Jose de

Guatemala to Escuintla will commence in three months under the direction of Don Guillio Nanne, with whom are associated Captain A. T. Donglas and two or three of the leading capitalists of Cos-

The hearing on the petition of the Central Vermont trustees and receivers to sell, etc., closed before the Supreme Court at St. Albans on the 28th ult. The decision of Judge Barrett will be appounced bereafter.

The work of track laying on the Dayton and Southeastern road has been resumed south of Washington, and is rapidly progressing toward Chillicothe.

A branch road is projected to connect Wilmington, Clinton county, with the Marietta and Cincinnati railroad.

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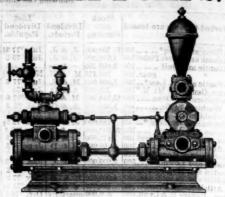
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The publishers have furnished tourists with valnable guides that will be highly appreciated by those who have in contemplation a trip to Colorado, The elevation of every monotain peak, pass and lake in the State, every road and trail, county boundaries, cities, towns, Post offices, &c., &c., are all given. Sketches of the county of " San Juan" and many other places: are interspersed with anecdotes and incidents, which render the " Guide" a very pleasant travelling companion. To these are added miscellaneous information respecting the prices paid for ores; Assay value of ores; prices of transportation; miners' outfit; mining tools; the composition of ores containing minerals; tables of distances; cost of travelling and living in San Juan country; U. S. Laws concerning Mining; and Mining Laws of the State of Colorado.

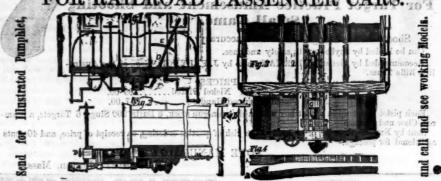
The Coal Trade.

For the week ending the 21st instant, the total tonnage, as reported by the several carrying com panies, amounted to 477,055 tons, against 199,421 tons in corresponding week last year, an increase of 277,684 tons. The total amount of anthracite mined for the coal year is 11,187,282 tons, against 8,461,598 for same period last year, an increase of 2,675,634 tons. The quantity of bituminous coal sent to market for the week cannot be stated, the strike last week interfering with reports from the Cumberland region. The total tonnage of all kinds of coal for the coal year we make up by adding the anthracite tonnage for the week end ing 21st lost, whilst estimating the bituminous tonnage as it was the close of the previous week. The total tonnage for the coal year is 12,815,249 tons, against 10,103,975 to same date last year, an ase of 2,711,274 tons. The receipts at Perth Amboy for the week ending on the 21st instant were 26,119 tons, the shipments 30,831 tons, leav-ing a stock on hand of 128,894 tons. The quantity of coal and coke carried over the Pennsylvania Railroad for the second week in July was 79,970 tons of which 66 235 tons were cosl, and 18,785 tops coke. The total carried for the year is 2,551,988 tops, of which 2 028,347 tops were coal and 478,964 tons coke. These figures embrace all the coal carried over the road, east and west. The coal tennage of the Reading Railroad Company during the week ending on Saturday. July 28, was about 135,000 tons, of which 50,000 tons went to Port Richmond, whilst there were 52,000 tons shipped from Port Richmond. All the colleries of the Reading Coal and Iron Company are working full time. Phila. Ledger, July

A conference was held in Bangor, Me., on the 18th ult. between the Lake Meguntic, Bangor and Piscataquis, the St. Croix and Penobscot Railroads and prominent citizens, with the view to united measures for extending the Lake Meguntic route across Maine as a direct route between Montreal and the maritime provinces. The conference was quite satisfactory, and the parties believe it will result in practical measures for pushing the enterprise.

The New Zealand Government has ordered surveys to be made for a railway between the Thames and the Walkato. The new line is expected to be one of the most successful railways in New Zealand.

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